

**VA Columbia MO - Nuclear Medicine  
Cover Sheet**

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Pump, Suction/Aspirator, General, Portable

**Manufacturer:** SSCOR, Inc. ((818) 504-4054)

**Vendor:** SSCOR, Inc. ((818) 504-4054)

**Model:** S-SCORT DUET

Portable suction/aspirator pump. 30 lpm airflow, -50 mm Hg to -525 mmHg+ vacuum. Battery care system holds battery at optimal charge without overcharging, internal automatic charger, automatic capacity check. Includes disposable canister. Designed to sit on a flat surface and is not designed to be mounted.

**Atta ID:** 3374-031

**Alt ID:**

**Mfr #:** 2314

**Vendor #:** 2314

**CAD ID:** ASP0064

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Physical Requirements

<b>Width:</b> 17.00 in (432 mm)	<b>Left:</b> N/A
<b>Depth:</b> 5.25 in (133 mm)	<b>Right:</b> N/A
<b>Height:</b> 9.00 in (229 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 10 lbs (4.5 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Electrical Requirements

<b>Volts:</b> 110	<b>Watts:</b> N/A
<b>Hz:</b> 60	<b>Amps:</b> N/A
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B118D	Alcove (Crash Cart)	Existing (Reuse)	Draft (Existing)	1	Per VA document Equipment List Corrections - 20. 3374-031 Pump Suction/Aspirator General should be EXISTING instead of new in rooms X117D and X117A.
Nuclear Medicine	B118A	Crash Cart Alcove	Existing (Reuse)	Draft (Existing)	1	Per VA document Equipment List Corrections - 20. 3374-031 Pump Suction/Aspirator General should be EXISTING instead of new in rooms X117D and X117A.
<b>Total:</b>					<b>2</b>	

## GIG7 CFH8I 9H& %

### CHARACTERISTICS

Size

Weight

Vacuum Pump

Variable Regulator (7)

Gauge (8)

Power Source: Battery (DC Power)

Medical Switcher (AC Power)

Switch (5) -

AC receptacle (1A)

Collection Canister (13)

Patient tubing

Suction Tip

### SPECIFICATIONS

17"L x 9"H x 5.25"W

(43.18cm L x 22.86cm H x 13.33cm W)

10.15 lbs/4.6 kgs Device only

12V DC oil-less diaphragm.

Clinical Airflow  $\geq$  30LPM

Controls negative pressure

Calibrated in mmHg. Color-coded.

Rechargeable Sealed Lead Acid.

SSCOR part # 80635

100V-240VAC, 47-63Hz

Uses 1ea. 3A 250V fast acting fuse

Off/Standby/On membrane switch

Uses (2) 2.5A 250V fast acting fuses

1200cc/ml SSCOR part #48041

Vinyl tubing 9/32"ID x 72"L  
(7.1mm ID x 182.88 cm L)

SSCOR part #43200

HI-D® "Big Stick®" SSCOR part #44241C



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Bracket, Computer Workstation, Wall

**Manufacturer:** Ergotron Inc.

**Vendor:** Ergotron Inc.

**Model:** LX CPU Wall Mount System

**Atta ID:** 3449-045

**Alt ID:**

**Mfr #:** 45-247-026

**Vendor #:** 45-247-026

**CAD ID:** BRK0503

**Item ID:**

Wall mounted workstation for computer. Articulating arms feature full tilt/pan capability and 13 inch (33 cm) height adjustment. LCD arm extends up to 25 inches (64 cm); keyboard tray extends up to 35 inches (89 cm). Keyboard folds to within 3.5 inches (9 cm) of wall in storage position. LCD arm folds back to a depth of 5.3 inches (13 cm). Includes: 10 and 34 inch Wall Tracks with (2) black track covers, LX Wall Mount LCD Arm, LX Keyboard Arm, wrist rest, mouse holder, Medium CPU Holder, CPU spacer, CPU and Arm track mount bracket kits, two (2) 10 inch Cable Channels, mounting kits for hollow-wall and wall-stud installation. Weight Capacity: display = 5-25 lbs (3.2-9.1 kg); keyboard = 5 lbs (2.2 kg); CPU = 40 lbs (18 kg). Base includes theft deterrent anchor holes for cable locks.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 1 - Fixed	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> C/C	<b>Type:</b> Non-Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 18.50 in (470 mm)	<b>Left:</b> N/A
<b>Depth:</b> 35.00 in (889 mm)	<b>Right:</b> N/A
<b>Height:</b> 34.00 in (864 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 31 lbs (14.1 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Wall	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

##### Specification:

Depth reflects keyboard arm fully extended (monitor arm fully extends to 25.7 inches).  
Keyboard arm folds to 3.5in.D x 21.75in.W of wall, monitor arms folds to 5.3in.D x 14.2in.W from wall.  
Height will vary depending on height of CPU placed in CPU holder at top of wall channel.

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	Per 020415 meeting notes - computer 4988-034 to be wall mounted Per arch - Mount computer monitor to wall Per VA Document Equipment list Corrections - 13. 6477-068 Bracket Monitor Wall Mount to be confirmed by NM Physician Per Sarah H email 030215 - The computer in the NM Stress room should be set up like the computer in the Treadmill room (3449-045).
Nuclear Medicine	A156B	Treadmill	Project	Draft (New)	1	



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**Total: 2**



### Highlights

- Position LCD screen and keyboard for maximum ergonomic comfort with unparalleled range of motion
- Ergonomic back-tilt keyboard tray ensures wrists remain in a neutral position during data entry to help alleviate repetitive-stress injuries
- Designed with our patented Constant Force™ lift-and-pivot motion technology, display and keyboard are easily positioned with just a light touch
- A complete and compact system; system folds up within inches of the wall when not in use
- Integrated cable management and cable channels organize and route cables out of sight
- **LX Sit-Stand Wall Mount:** extends LCD up to 33" (84 cm) and keyboard up to 42" (107 cm)
- **LX Wall Mount:** extends LCD up to 25" (64 cm) and keyboard up to 35" (89 cm)
- Passes Ergotron's 10,000-cycle motion test
- Made with durable polished aluminum
- Includes 10-year warranty



## ERGOTRON®

### LX Sit-Stand Wall Mount System & LX Wall Mount System



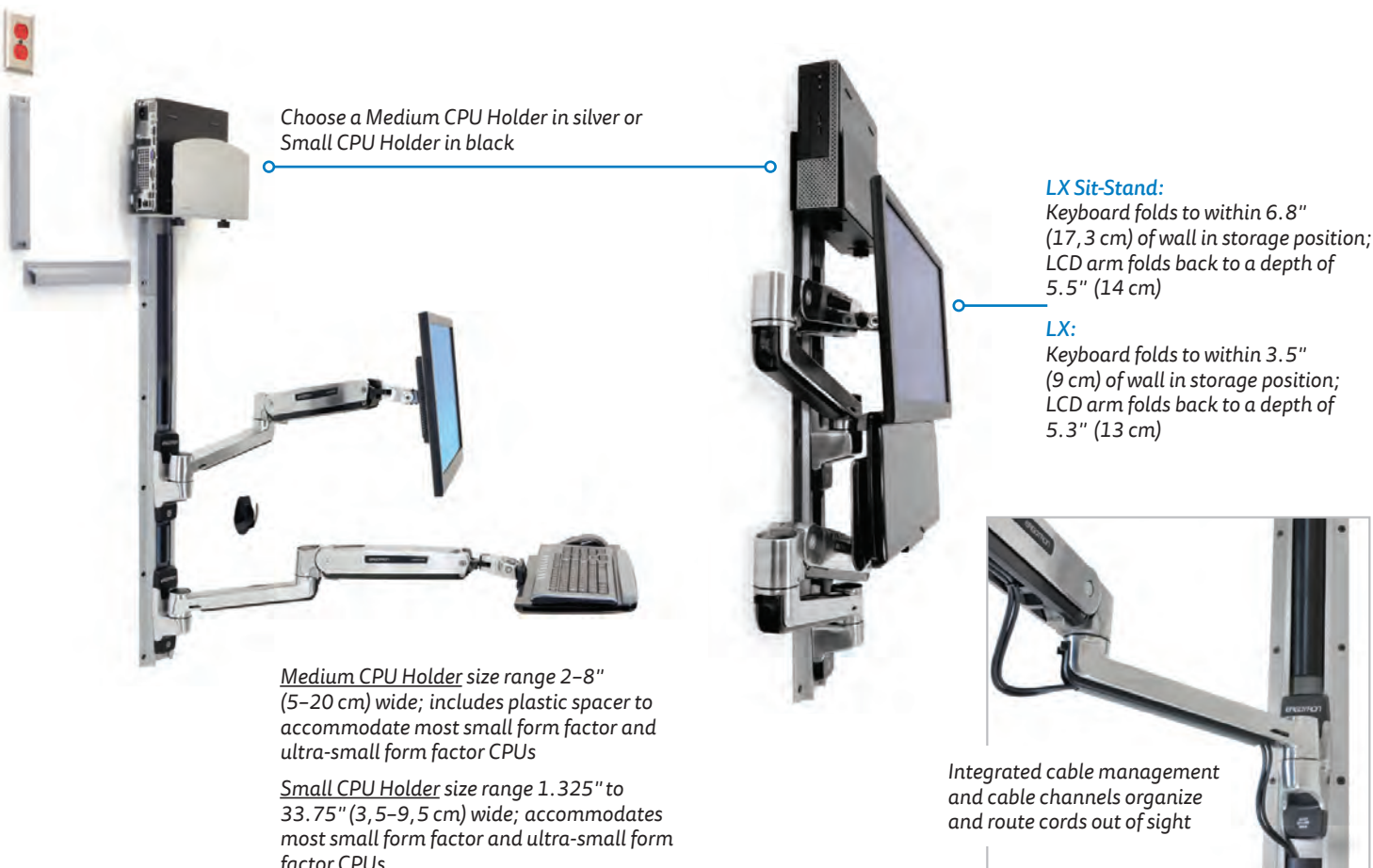
### Ultimate functionality in a complete and compact wall mount system!

Ergotron's LX Wall Mount Systems offer healthcare professionals a fully integrated solution that accommodates a monitor, keyboard and CPU—all on a single, secure wall track. The two independent arms adjust effortlessly so caregivers can experience ergonomic comfort while viewing and entering data. Most important, its total flexibility helps enhance personal interaction between caregivers and their patients.

When not in use, the entire system folds up tight—just inches from the wall—making it ideal for tight spaces or areas with high traffic.

Our Sit-Stand model provides added height adjustment, so users can choose to sit or stand throughout the day for a healthier way to work.

**JUST  
STAND  
.ORG**



#### LX Sit-Stand Wall Mount System

LCD Size	Weight Capacity*	Lift	Tilt	Pan	Rotation	VESA**
≤ 42"	≤ 7-25 lbs (3, 2-11, 3 kg)	20" (51 cm)	75°	360°	360°	MIS-D/E/F

\* Weight Capacity: display 7-25 lbs (3, 2-11, 3 kg); keyboard 5 lbs (2, 2 kg); CPU 40 lbs (18 kg). Monitor depth may affect weight capacity

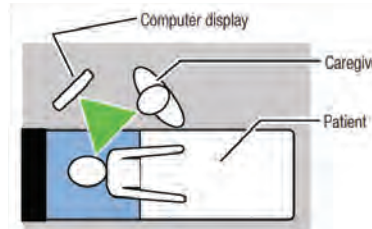
\*\* VESA MIS-D, 75/100 (hole pattern = 100 x 100 mm & 75 x 75 mm), MIS-E (hole pattern = 200 x 100 mm), MIS-F (hole pattern = 200 x 200 mm ONLY). Optional VESA Bracket Adaptor Kit (97-759) can be ordered separately for MIS-F interface with hole pattern of 400 x 200 mm or 400 x 400 mm

#### LX Wall Mount System

LCD Size	Weight Capacity*	Lift	Tilt	Pan	Rotation	VESA
≤ 32"	≤ 5-25 lbs (2, 3-11, 3 kg)	13" (33 cm)	75°	360°	360°	MIS-D

\* Weight Capacity: display 5-25 lbs (2, 3-11, 3 kg); keyboard 5 lbs (2, 2 kg); CPU 40 lbs (18 kg). Monitor depth may affect weight capacity

Product Name	LX Sit-Stand Wall Mount System	LX Wall Mount System
Part Number	Medium CPU Holder 45-358-026 Small CPU Holder 45-359-026	Medium CPU Holder 45-247-026 Small CPU Holder 45-253-026
Product Includes	10" and 34" (25, 4 and 86, 4 cm) Wall Tracks with (2) black track covers, LX Sit-Stand Wall Mount LCD Arm, LX Sit-Stand Keyboard Arm, wrist rest, mouse holder, CPU Holder, two (2) 10" (25, 4 cm) cable channels, mounting kits for hollow-wall and wall-stud installation	10" and 34" (25, 4 and 86, 4 cm) Wall Tracks with (2) black track covers, LX Wall Mount LCD Arm, LX Keyboard Arm, wrist rest, mouse holder, CPU Holder, two (2) 10" (25, 4 cm) cable channels, mounting kits for hollow-wall and wall-stud installation
Arm Extension	LCD: 33" (84 cm); Keyboard: 42" (107 cm)	LCD: 25" (64 cm); Keyboard: 35" (89 cm)
Shipping Dimensions	36.4" x 22.3" x 6.8" (93 x 57 x 17 cm)	37" x 22" x 7.5" (94 x 56 x 19 cm)
Shipping Weight	47.3 lbs (21, 5 kg)	40 lbs (18 kg)
Warranty	10 years	10 years



#### Patient-Centered Healthcare

LX Wall Mount Systems help bring patient and caregiver together. This 'triangle of care' enhances personal interaction, as the

products' functionality allows the caregiver to easily share electronic data with the patient.

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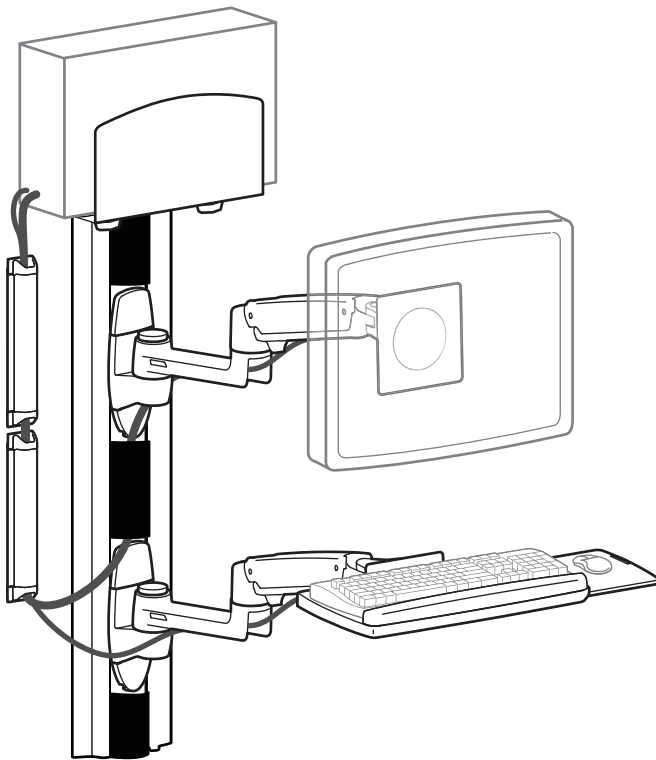
**ERGOTRON**®

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# Ergotron® LX

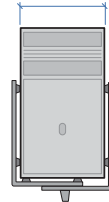
## Wall Mount System

## Dimensional & Range of Motion Illustrations

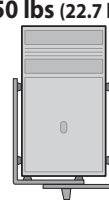


### Small CPU Holder

1.38" - 3.75"  
(35-95 mm)

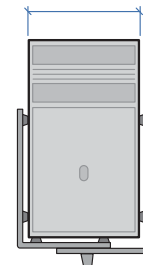


LB  
kg  
50 lbs (22.7 kg)

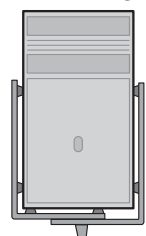


### Medium CPU Holder

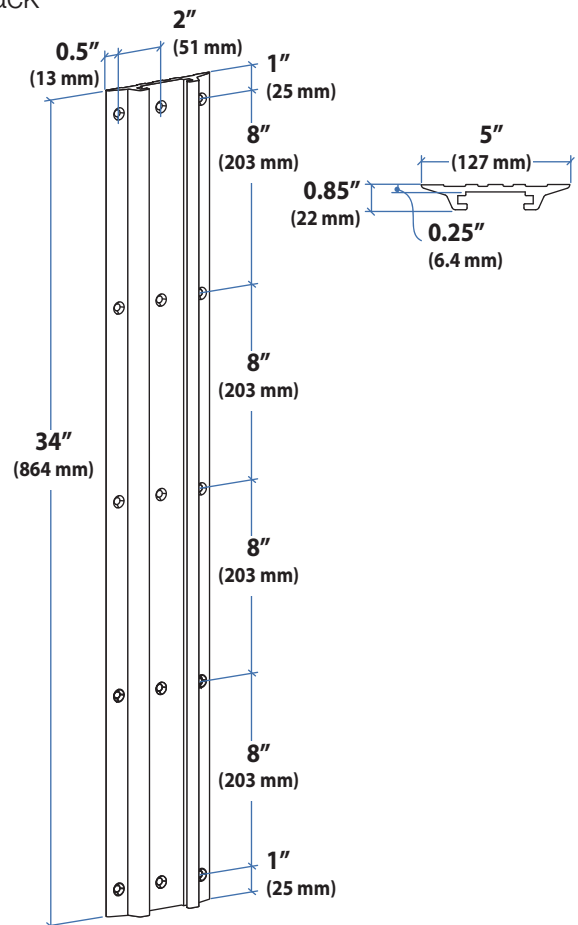
2" - 8"  
(102 - 203 mm)



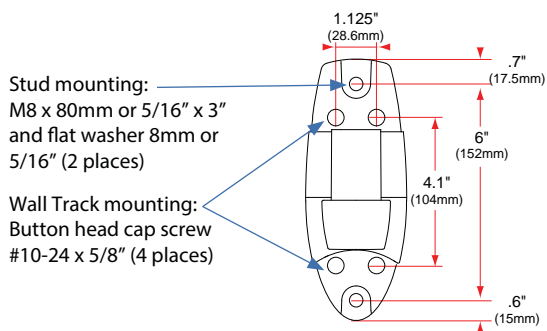
LB  
kg  
40 lbs (18 kg)



### Wall Track



### Wall Mount Bracket



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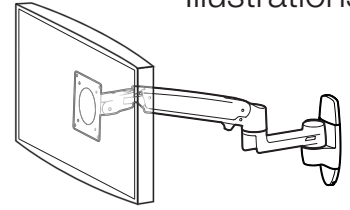


# Ergotron® LX

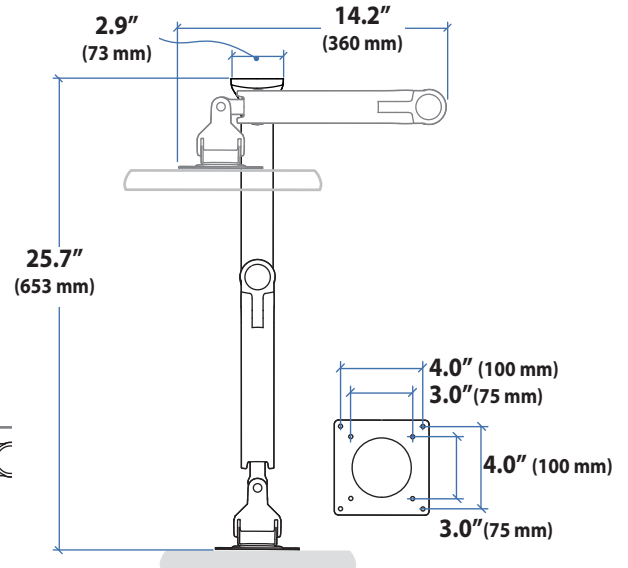
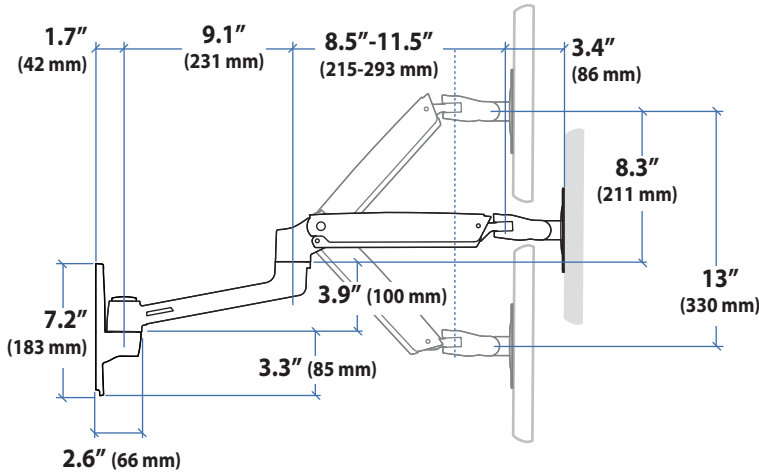
## Wall Mount System

### Dimensional & Range of Motion Illustrations

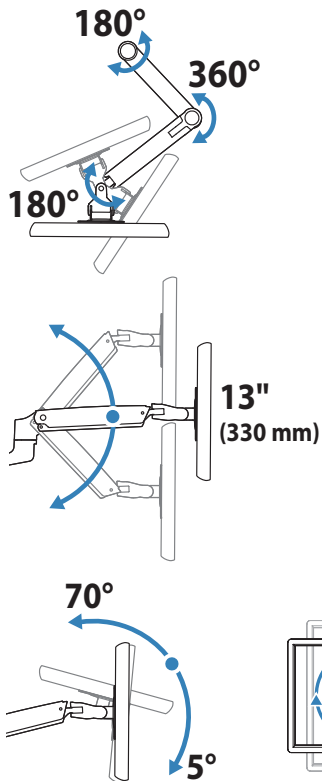
#### LCD Arm



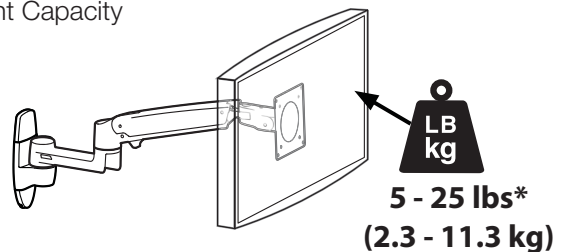
#### Dimensions



#### Range of Motion

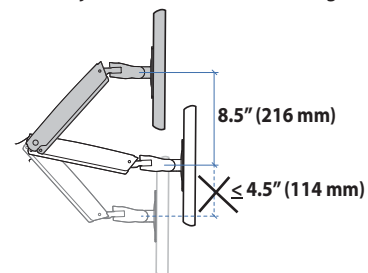


#### Weight Capacity



Monitor depth greater than 2.5" (64 mm) may diminish capacity. Call Ergotron for more information.

\* The lower most range of motion for vertical lift is decreased up to 4.5" (114 mm) when arm is adjusted to hold over 20lbs (9 kgs).



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# Ergotron® LX

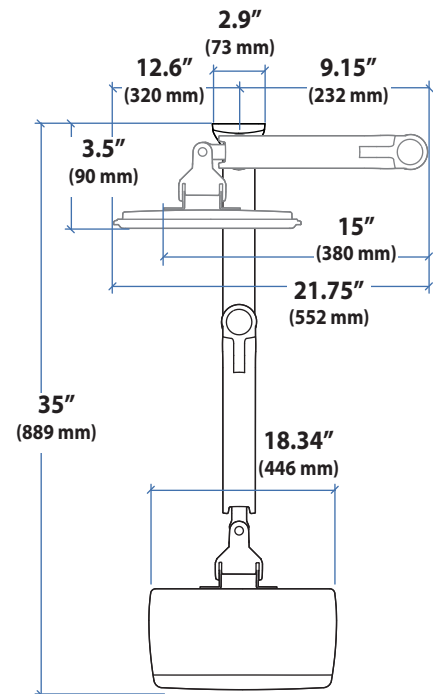
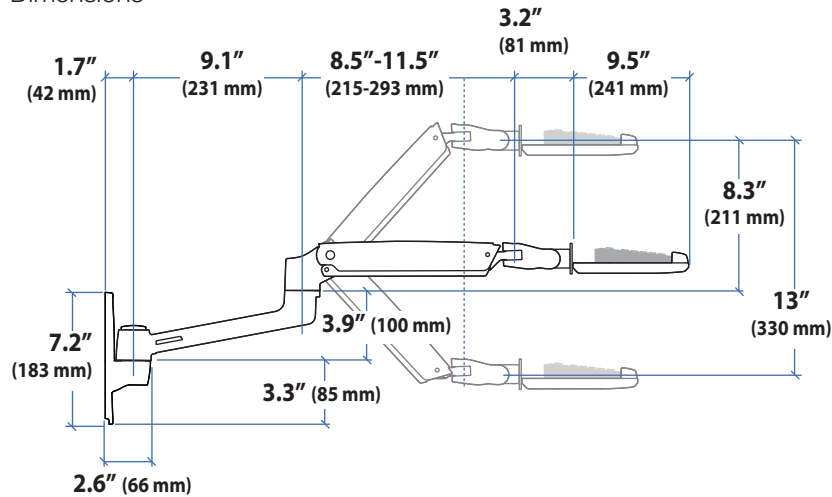
## Wall Mount System

## Dimensional & Range of Motion Illustrations

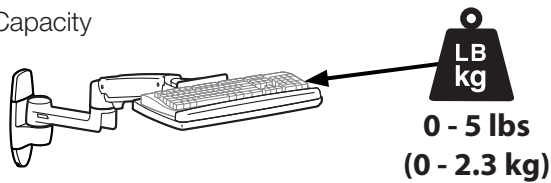
### Keyboard Arm



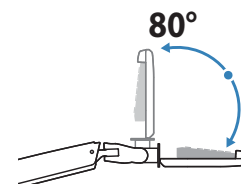
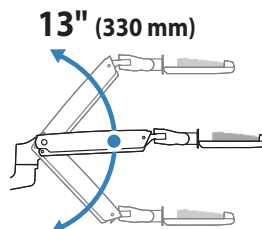
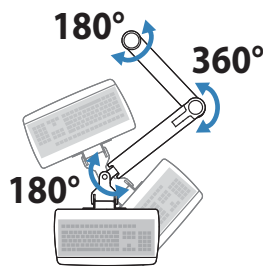
### Dimensions



### Weight Capacity



### Range of Motion



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## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-192 Preparation Enclosure Base

**Atta ID:** 3490-007

**Alt ID:**

**Mfr #:** 244-192

**Vendor #:** 244-192

**CAD ID:** CST0333

**Item ID:**

Lead lined base cabinet. Designed to support Lead-Lined Preparation Enclosure. 1" lead shielding on all 6 sides, fume hood. 2 full height key-locked doors. Heavy duty adjustable shelf with 100 pounds capacity. Powder coat finish. Stainless steel countertop with 4" backsplash and .5" spillproof lip. May be used for decay and storage.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 36.50 in (927 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.50 in (648 mm)	<b>Right:</b> N/A
<b>Height:</b> 40.50 in (1029 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 2433 lbs (1103.6 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

Height & Depth includes backsplash & door.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per notes - (1" lead) Per notes - No locks required, door to room has lock / punch code / keypad for access For new cabs - need SS top -lip on the front - individual tops but can special order -new ss top w/ lip on front/sides + back splash
<b>Total:</b>					<b>1</b>	

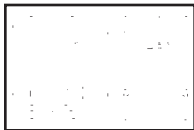


# LEAD-LINED PREPARATION ENCLOSURE BASE CABINET



*Built to support the Preparation Enclosure*

**T**his Cabinet is designed to support the Lead-Lined Preparation Enclosure. Full height, overlapping double doors with key locks open to an adjustable shelf with a 100 lb capacity. The cabinet may be used for decay and storage.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

## SPECIFICATIONS:

**Dimensions:** 36.5" w x 24" depth x 36.5" h (92.7 x 61 x 92.7 cm)

**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides

**Shelf Dimensions:** 30" w x 18" depth (76.2 x 45.72 cm),

100 lb (45.4 kg) capacity, adjustable height

**Doors:** Key-locked

**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip

**Finish:** Powder coat

## Weight:

244-190: 1063 lb (483.2 kg)

244-191: 1540 lb (699 kg)

244-192: 2433 lb (1104 kg)

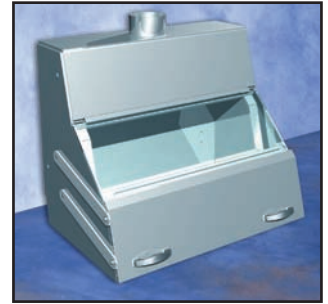
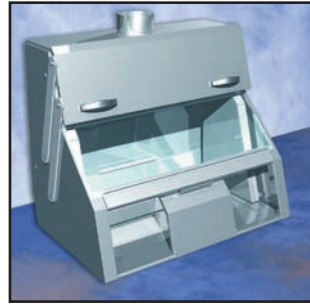
**244-190** Cabinet, Preparation Enclosure Base, .25" lead

**244-191** Cabinet, Preparation Enclosure Base, .5" lead

**244-192** Cabinet, Preparation Enclosure Base, 1" lead

# LEAD-LINED PREPARATION ENCLOSURE

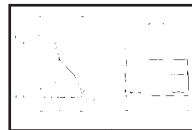
*Connects to external ductwork*



*Adjustable 12" shield can fold forward to load large objects. The hood can also be completely closed and used for storage. Preparation Enclosure features built-in electrical outlets.*

**T**he Lead-Lined Preparation Enclosure is designed for applications that require handling gaseous radioactive materials. The interior provides ample floor space. A large lead glass window and halogen light allow safe and unobstructed viewing. The enclosure opening has an adjustable shield that creates access ports. A swing down shield covers the ports when not in use.

Gaseous materials are directed by a baffle (eliminating dead space) through a stainless steel chimney. The chimney is connected to external blowers (not supplied) and ductwork (not supplied). The blowers create a negative pressure preventing gas leaks.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

## SPECIFICATIONS:

**Dimensions:** 36" w x 24" depth x 30.5" h (91.4 x 61 x 77.5 cm)

**Interior Floor Space:** 31" w x 19" depth (78.7 x 48.3 cm)

**Lead Shielding:** .25" thick (.64 cm)

**Adjustable Shield:** 12" w x 10" h x .5" thick (30.5 x 25.4 x 1.3 cm)

**Exhaust:** 6" dia (15.2 cm) chimney, fixed upper and adjustable lower baffles. Blower and filter not included

**Lighting:** 110V Halogen lamp with two 25 watt bulbs, UL listed; 220V available upon request.

## Lead Glass Window:

**Dimensions:** 34.5" w x 11.8" h x .75" thick (87.6 x 30 x 1.9 cm)

**Density:** 5.05 g/cm<sup>3</sup>

**Finish:** # 3 brushed, stainless steel

**Weight:** 733 lb (332 kg)

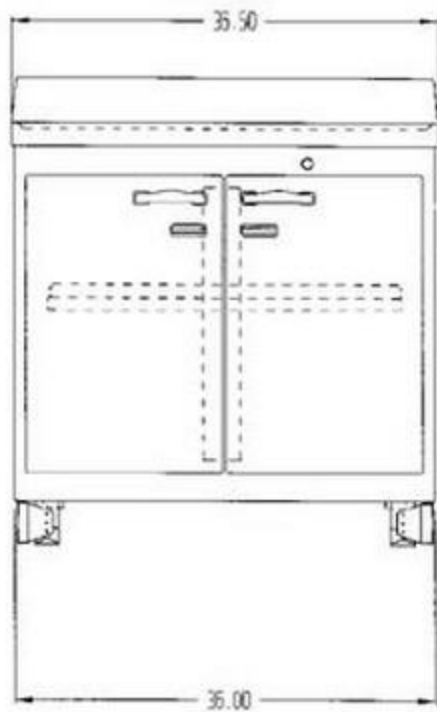
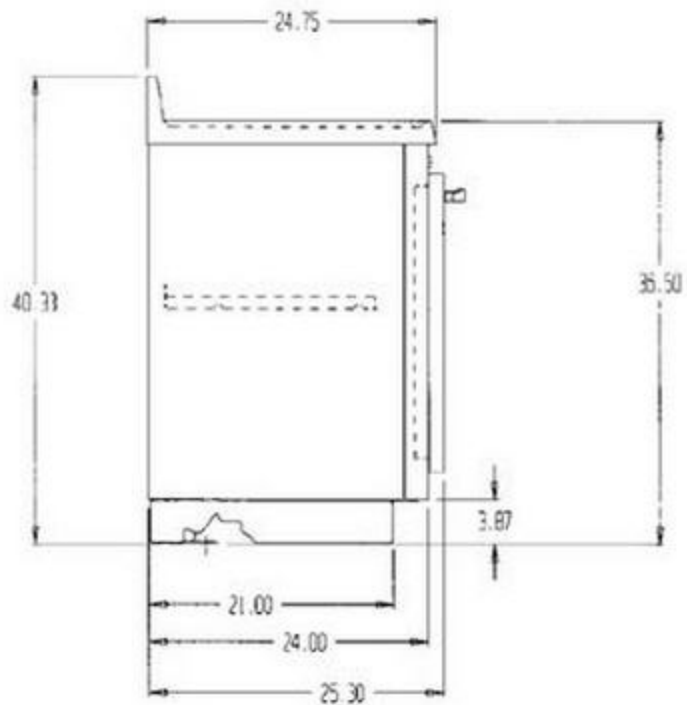
**244-007** Preparation Enclosure, .25" lead

*To order, call Biodex toll free...*

**1-800-224-6339**

Int'l 631-924-9000 • [www.biodex.com](http://www.biodex.com)





ENCLOSURE BASE  
244-190

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-140 Decay Cabinet (1/4' lead)

Lead lined decay cabinet with stainless steel countertop and 1/4" lead shielding. Two 100 lb capacity, adjustable shelves, key-locked door. Stainless steel countertop with 4" backsplash and 0.5" spillproof lip. Powder coat finish.

**Atta ID:** 3490-008

**Alt ID:**

**Mfr #:** 244-140

**Vendor #:** 244-140

**CAD ID:** CST0334

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Physical Requirements

<b>Width:</b> 30.50 in (775 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.50 in (648 mm)	<b>Right:</b> N/A
<b>Height:</b> 40.50 in (1029 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 1010 lbs (458.1 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

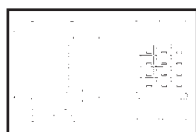
### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Existing (Reuse)	Draft (Existing)	1	1) For existing cabs - need new SS top -lip on the front - individual tops but can special order -new ss top w/ lip on front/sides + back splashPer notes - No locks required, door to room has lock / punch code / keypad for access
					<b>Total:</b>	<b>1</b>

## LEAD-LINED RADIOISOTOPE STORAGE CABINET



*Designed for safely storing radioactive materials.*



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

**T**he Radioisotope Storage Cabinet is designed for safely storing radioactive materials. It features 12 key-locked drawers. Each drawer is easily removed for cleaning or decontamination. A card slot identifies contents.

### SPECIFICATIONS:

**Dimensions:** 30.5" w x 24" depth x 36.5" h (77.5 x 61 x 92.7 cm)

**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides

**Drawer Dimensions: I.D.:** 6" w x 11.88" depth x 4.5" h (15.2 x 30.2 x 11.4 cm)

**Drawers:** Key-locked

**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip

**Finish:** Powder coat

**Weight:**

244-110: 1069 lb (486 kg)

244-111: 1415 lb (642 kg)

244-112: 2558 lb (1160 kg)

**244-110** Cabinet, Radioisotope Storage, .25" lead

**244-111** Cabinet, Radioisotope Storage, .5" lead

**244-112** Cabinet, Radioisotope Storage, 1" lead

## LEAD-LINED DECAY CABINET



*Can be used to decay sharps containers prior to disposal*



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

**T**he Decay Cabinet is designed for long and short term storage of decaying radioactive material. Two adjustable shelves support up to 100 lb each. The door is key-locked to prevent unauthorized access. The cabinet will accommodate sharps containers and other boxed waste prior to disposal. It can also be used to store flood sources.

### SPECIFICATIONS:

**Dimensions:** 30.5" w x 24" depth x 36.5" h (77.5 x 61 x 92.7 cm)

**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides

**Shelf Dimensions:** 26" w x 18" depth (66 x 45.7 cm), 100 lb (45.4 kg) capacity, adjustable height

**Door:** Key-locked

**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip

**Finish:** Powder coat

**Weight:**

244-140: 1010 lb (458 kg)

244-141: 1267 lb (575 kg)

244-142: 2125 lb (964 kg)

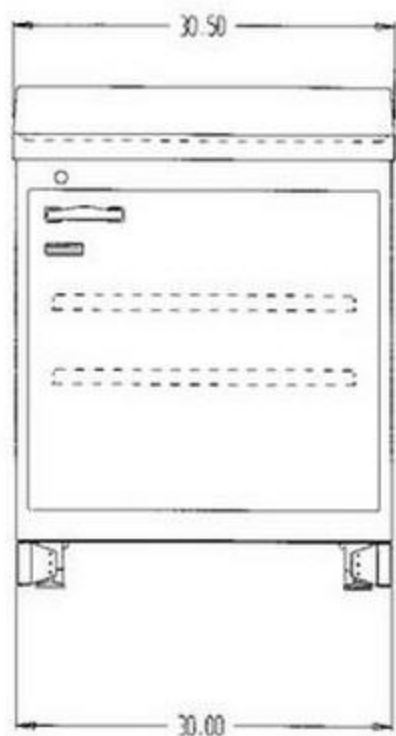
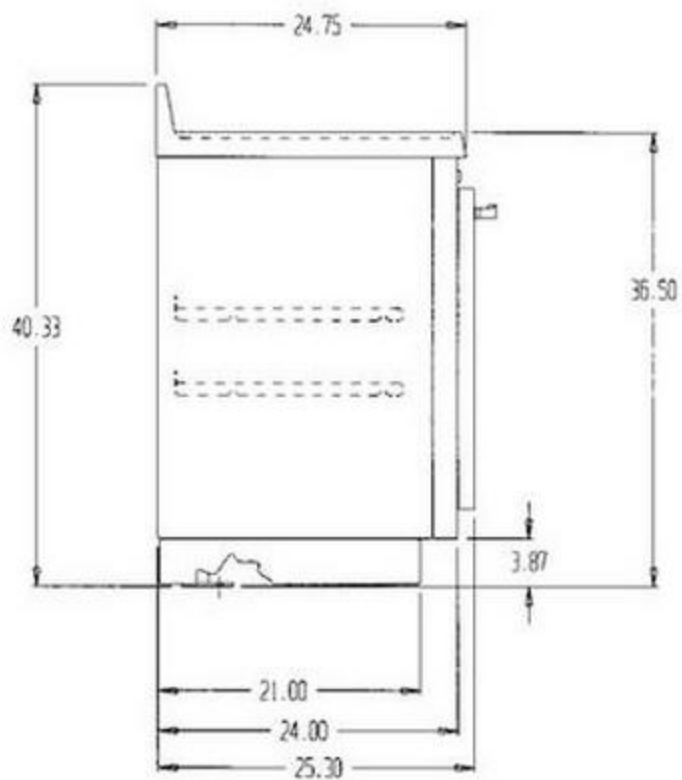
**244-140** Cabinet, Decay, .25" lead

**244-141** Cabinet, Decay, .5" lead

**244-142** Cabinet, Decay, 1" lead

*Note: Reverse door swing available.*

*Call for quote.*



2 SHELF DECAY  
244-140

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-160 Decay and Storage (1/4' lead)

**Atta ID:** 3490-009

**Alt ID:**

**Mfr #:** 244-160

**Vendor #:** 244-160

**CAD ID:** CST0335

**Item ID:**

Decay and storage cabinet. .25in lead lining. Designed for radioactive material storage and decay. 2 adjustable shelves, 22" w x 18" depth. Drawers can be removed for cleaning or decontamination. Key-locked door and drawers. Countertop is stainless steel with 4in backsplash and .5in spillproof lip. Powder coat finish.

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Physical Requirements

<b>Width:</b> 36.50 in (927 mm)	<b>Left:</b> N/A
<b>Depth:</b> 26.00 in (660 mm)	<b>Right:</b> N/A
<b>Height:</b> 40.50 in (1029 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 1103 lbs (500.3 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Height & depth Include back splash & doors.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per notes - No locks required, door to room has lock / punch code / keypad for access For new cabs - need SS top -lip on the front -individual tops but can special order -new ss top w/ lip on front/sides + back splash

**Total:** 1

## LEAD-LINED DECAY AND STORAGE CABINET



**T**he Decay and Storage Cabinet performs two functions. Radioisotopes can be safely stored in drawers, while the cupboard section is for the storage of decaying material.

Drawers are easily removed for cleaning and decontamination. The decay section includes two heavy duty adjustable shelves.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

### SPECIFICATIONS:

**Dimensions:** 36.5" w x 24" depth x 36.5" h (92.7 x 61 x 92.7 cm)  
**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides  
**Drawer Dimensions: I.D.:** 6" w x 11.88" depth x 4.5" h (15.2 x 30.2 x 11.4 cm)  
**Shelf Dimensions:** 22" w x 18" depth (55.9 x 45.7 cm)  
**Door and Drawers:** Key-locked  
**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip  
**Finish:** Powder coat  
**Weight:**  
 244-160: 1103 lb (501.4 kg)  
 244-161: 1421 lb (645 kg)  
 244-162: 2500 lb (1134 kg)

**244-160** Cabinet, Decay and Storage, .25" lead

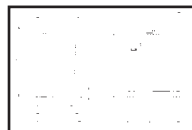
**244-161** Cabinet, Decay and Storage, .5" lead

**244-162** Cabinet, Decay and Storage, 1" lead

## LEAD-LINED WASTE CABINET



**T**he Waste Cabinet is designed for storing "non-sharps" radioactive waste. A spacious chute with shielded cover allows waste to be dropped directly into a polyethylene container prior to decay and disposal.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

### SPECIFICATIONS:

**Dimensions:** 30.5" w x 24" depth x 36.5" h (77.5 x 61 x 92.7 cm)  
**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides  
**Chute:** 6.5" dia (16.5 cm) with .5" thick (1.3 cm) lead shielded cover  
**Container:** 22" h x 17" dia (56 x 43 cm) polyethylene, 12 gal capacity  
**Door:** Key-locked  
**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip  
**Finish:** Powder coat  
**Weight:**  
 244-150: 913 lb (415 kg)  
 244-151: 1282 lb (583 kg)  
 244-152: 2290 lb (1039 kg)

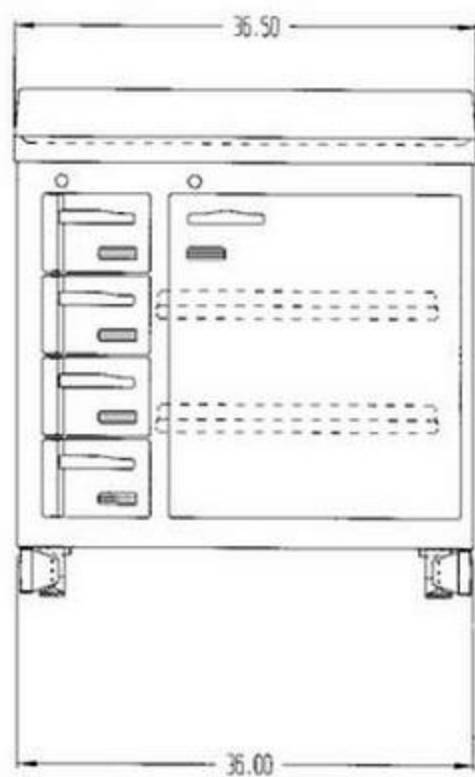
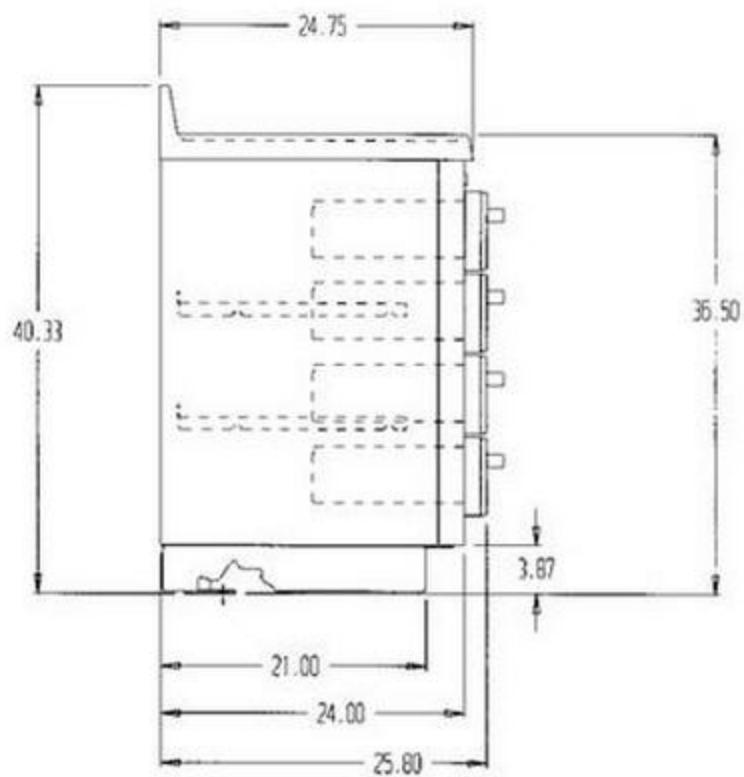
**244-150** Cabinet, Waste, .25" lead

**244-151** Cabinet, Waste, .5" lead

**244-152** Cabinet, Waste, 1" lead

*Note: Reverse door swing available.*

*Call for quote.*



4 DRAWER DECK  
244-160

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-120 Unit Dose (1/4' lead)

**Atta ID:** 3490-010

**Alt ID:**

**Mfr #:** 244-120

**Vendor #:** 244-120

**CAD ID:** CST0336

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 30.50 in (775 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.50 in (648 mm)	<b>Right:</b> N/A
<b>Height:</b> 40.50 in (1029 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 1156 lbs (524.4 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Height & depth includes back splash.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per notes - No locks required, door to room has lock / punch code / keypad for access For new cabs - need SS top -lip on the front -individual tops but can special order -new ss top w/ lip on front/sides + back splash
					<b>Total:</b>	<b>1</b>

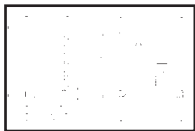


## LEAD-LINED GENERATOR AND STORAGE CABINET



*Larger generator drawer will accommodate the Mallinckrodt Generator with Elution Shield.*

Trap doors on the top and sides of this drawer provide safe access to the generator. The cabinet has two shielded compartments on the right side for storing decaying generators prior to disposal.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com).*

### SPECIFICATIONS:

**Dimensions:** 36.5" w x 24" depth x 36.5" h (92.7 x 61 x 92.7 cm)

#### Lead Shielding:

**Cabinet:** .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides

**Drawer:** .25" thick (.64 cm) on five sides

**Dividers:** .5" thick (1.3 cm)

**Drawer Dimensions: I.D.:** 15.5" w x 11.9" depth x 18.2" h (39.4 x 30.2 x 46.2 cm)

**Doors and Drawer:** Key-locked

**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip

**Finish:** Powder coat

#### Weight:

244-181: 1917 lb (869.5 kg)

244-182: 2815 lb (1277 kg)

**244-181** Cabinet, Generator and Storage, .5" lead

**244-182** Cabinet, Generator and Storage, 1" lead

## LEAD-LINED UNIT DOSE CABINET



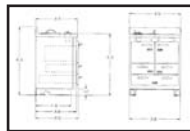
The Unit Dose Cabinet is designed for hot labs with limited space.

The upper left compartment holds two sharps containers to facilitate decay rotation. A small chute with removable shielded lid allows syringe disposal into the front container. A large rear port allows safe removal of the second decayed container. The upper right compartment is for bulk storage of unit dose ammo boxes. The

shielded door provides access without additional exposure.

Side-by-side middle drawers can be used for storage of syringes, sources, pigs, radioisotopes and other small items requiring lead shielding.

Phantoms and flood sources can be stored in the bottom drawer which runs the full width of the cabinet.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com).*

### SPECIFICATIONS:

**Dimensions:** 30.5" w x 24" depth x 36.5" h (77.5 x 61 x 92.7 cm)

**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides

#### Drawer Dimensions:

**Bottom Drawer: I.D.:** 23.5" w x 21.8" depth x 4.5" h (59.7 x 55.4 x 11.4 cm)

**Left & Right Drawers: I.D.:** 9.38" w x 17.88" depth x 4.5" h (23.8 x 45.4 x 11.4 cm)

**Upper Doors: I.D.:** 11.5" w x 17.62" depth x 11" h (29.2 x 44.7 x 27.9 cm)

**Doors and Drawers:** Key-locked

**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip

**Finish:** Powder coat

#### Weight:

244-120: 1156 lb (524.3 kg)

244-121: 1614 lb (732 kg)

244-122: 2328 lb (1056 kg)

**244-120** Cabinet, Unit Dose, .25" lead

**244-121** Cabinet, Unit Dose, .5" lead

**244-122** Cabinet, Unit Dose, 1" lead

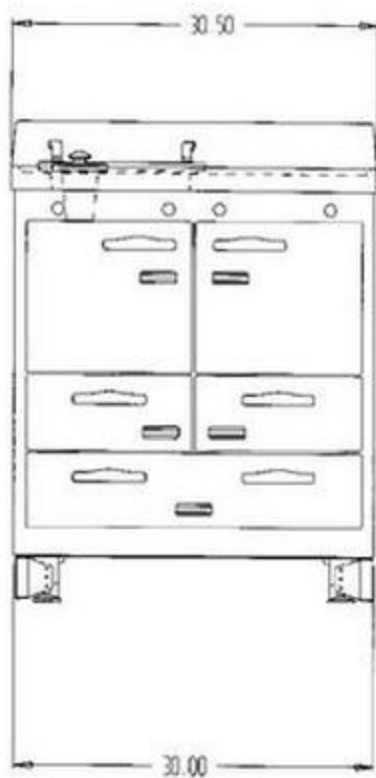
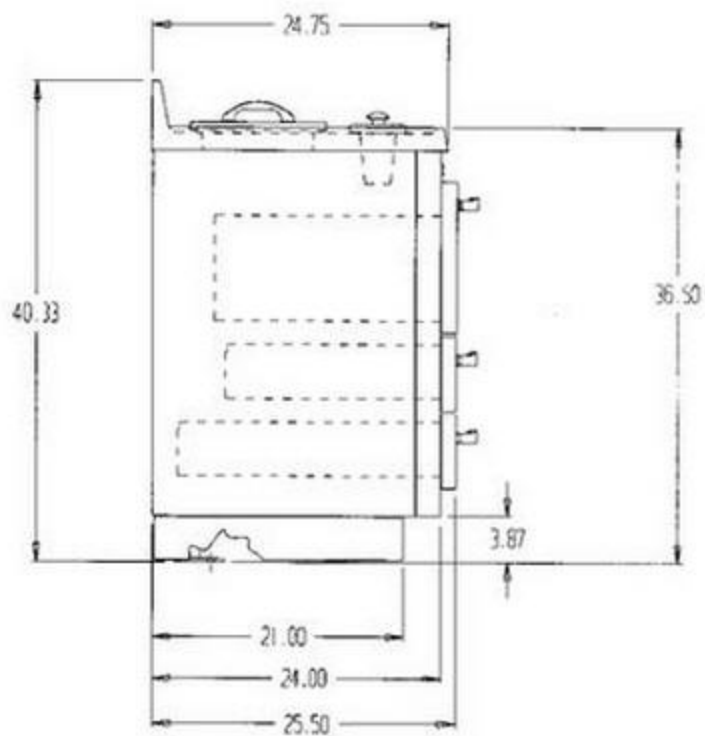
### Related:

**039-338** Monoject Container, 4 qt., 10/pkg

*Fits 039-325, 039-326, 039-350 and 039-330*

**039-387** Monoject Container, 8 qt., 10/pkg

*Fits 039-325, 039-326 and 039-330*



UNIT CODE  
244-120

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-009 Phantom Storage

**Atta ID:** 3490-015

**Alt ID:**

**Mfr #:** 244-009

**Vendor #:** 244-009

**CAD ID:** CST0341

**Item ID:**

Phantom storage cabinet. 0.25" lead shielding, key-locked door. Stores flood sources and phantoms on their ends. The interior is sectioned by an adjustable divider. Cannot be ordered separately, it must be part of a multiple cabinet configuration.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 11.75 in (298 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.25 in (641 mm)	<b>Right:</b> N/A
<b>Height:</b> 36.00 in (914 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 319 lbs (144.7 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

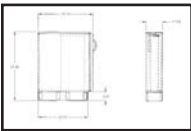
#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Existing (Reuse)	Draft (Existing)	1	Per notes - (1/4" lead)1) For existing cabs - need new SS top -lip on the front -individual tops but can special order -new ss top w/ lip on front/sides + back splashPer notes - No locks required, door to room has lock / punch code / keypad for access
					<b>Total:</b>	<b>1</b>

## LEAD-LINED PHANTOM CABINET



*Shown with Decay Module*



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

**T**he Phantom Cabinet stores flood sources and phantoms\* on their ends. The interior is sectioned by an adjustable divider. The Lead-Lined Phantom Cabinet cannot be ordered separately, it must be part of a multiple cabinet configuration.

*\*Note: Phantom Cabinet does not accommodate 24" circular phantoms.*

### **SPECIFICATIONS:**

**Dimensions:** 11.6" w x 24" depth x 36" h (29.5 x 60.9 x 91.4 cm)

**Lead Shielding:** .25" thick (.64 cm)

**Door:** Key-locked

**Finish:** Powder coat

**Weight:** 319 lb (145 kg)

**244-009** Cabinet, Phantom, .25" lead

*Note: Must be ordered as part of a multiple cabinet configuration*

## LEAD-LINED REFRIGERATOR



*Lead-Lined Refrigerator is an under-the-counter unit*



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

**T**he Lead-Lined Refrigerator has 4.4 cubic feet of storage space and is ideal for storage and refrigeration of radiopharmaceuticals, tagged biological and other radioactive materials.

### **SPECIFICATIONS:**

**Dimensions:** 22.2" w x 20.8" depth x 34.2" h (56.4 x 52.9 x 86.9 cm)

Lead-Lined Refrigerator is an under-the-counter unit

**Lead Shielding:** .125" thick (.32 cm)

**Capacity:** 4.4 cu ft

**Door:** Key-locked

**Power:** 115 V, 60 Hz, 1.3 amp

**Finish:** Powder coat

**Weight:** 315 lb (143 kg)

**244-003** Refrigerator, Lead-Lined

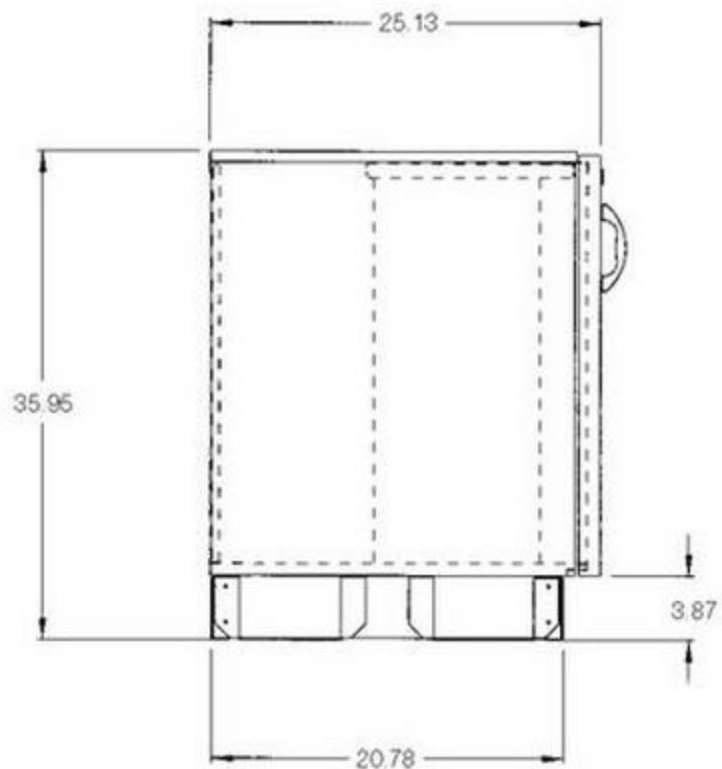
**Related:**

**087-112** Converter, 230V

*To order, call Biodex toll free...*

**1-800-224-6339**

Int'l 631-924-9000 • [www.biodex.com](http://www.biodex.com)



PHANTOM MODULE  
244-009

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-150 Waste Cabinet (1/4' lead)

**Atta ID:** 3490-017

**Alt ID:**

**Mfr #:** 244-150

**Vendor #:** 244-150

**CAD ID:** CST0343

**Item ID:**

Lead lined waste storage cabinet with 1/4in lead. Designed for storing non-sharp radioactive waste. Chute with shielded cover allows waste to be dropped directly into a polyethylene container prior to decay and disposal. Includes 15 gallon polyethylene container. With key-locked door. Stainless steel countertop with 4in backsplash and 1/2in spillproof lip.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 30.50 in (775 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.50 in (648 mm)	<b>Right:</b> N/A
<b>Height:</b> 40.50 in (1029 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 913 lbs (414.1 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

Height & depth Include back splash & doors.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Existing (Reuse)	Draft (Existing)	1	1) For existing cabs - need new SS top -lip on the front - individual tops but can special order -new ss top w/ lip on front/sides + back splashPer notes - No locks required, door to room has lock / punch code / keypad for access

**Total:** 1



## LEAD-LINED DECAY AND STORAGE CABINET



**T**he Decay and Storage Cabinet performs two functions. Radioisotopes can be safely stored in drawers, while the cupboard section is for the storage of decaying material.

Drawers are easily removed for cleaning and decontamination. The decay section includes two heavy duty adjustable shelves.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

### SPECIFICATIONS:

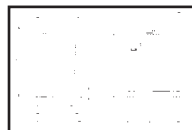
**Dimensions:** 36.5" w x 24" depth x 36.5" h (92.7 x 61 x 92.7 cm)  
**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides  
**Drawer Dimensions: I.D.:** 6" w x 11.88" depth x 4.5" h (15.2 x 30.2 x 11.4 cm)  
**Shelf Dimensions:** 22" w x 18" depth (55.9 x 45.7 cm)  
**Door and Drawers:** Key-locked  
**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip  
**Finish:** Powder coat  
**Weight:**  
 244-160: 1103 lb (501.4 kg)  
 244-161: 1421 lb (645 kg)  
 244-162: 2500 lb (1134 kg)

**244-160** Cabinet, Decay and Storage, .25" lead  
**244-161** Cabinet, Decay and Storage, .5" lead  
**244-162** Cabinet, Decay and Storage, 1" lead

## LEAD-LINED WASTE CABINET



**T**he Waste Cabinet is designed for storing "non-sharps" radioactive waste. A spacious chute with shielded cover allows waste to be dropped directly into a polyethylene container prior to decay and disposal.



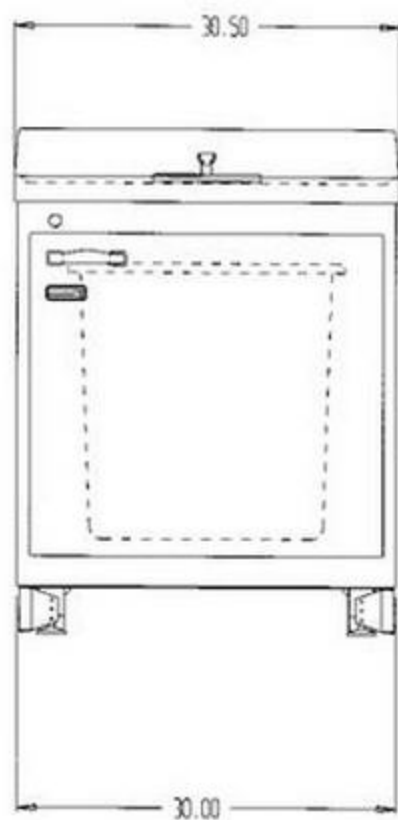
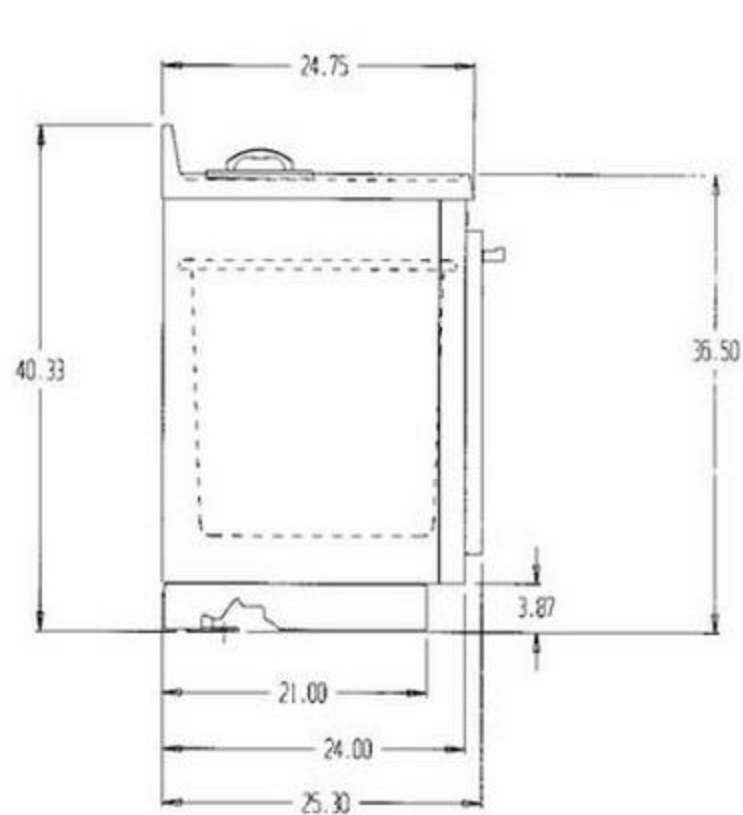
*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

### SPECIFICATIONS:

**Dimensions:** 30.5" w x 24" depth x 36.5" h (77.5 x 61 x 92.7 cm)  
**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides  
**Chute:** 6.5" dia (16.5 cm) with .5" thick (1.3 cm) lead shielded cover  
**Container:** 22" h x 17" dia (56 x 43 cm) polyethylene, 12 gal capacity  
**Door:** Key-locked  
**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip  
**Finish:** Powder coat  
**Weight:**  
 244-150: 913 lb (415 kg)  
 244-151: 1282 lb (583 kg)  
 244-152: 2290 lb (1039 kg)

**244-150** Cabinet, Waste, .25" lead  
**244-151** Cabinet, Waste, .5" lead  
**244-152** Cabinet, Waste, 1" lead

*Note: Reverse door swing available.  
 Call for quote.*



WASTE  
244-150



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-205 PET Unit Dose Cabinet

**Atta ID:** 3490-026

**Alt ID:**

**Mfr #:** 244-205

**Vendor #:** 244-205

**CAD ID:** CST0352

**Item ID:**

PET unit-dose cabinet with 1/4" lead shielding and key lock doors. Accommodates lead brick cave, compact L-block shield with built-in dose calibrator shield, Atomlab 400/500 dose calibrator. Stainless steel counter-top with 4" backsplash, 1/2" spillproof lip. Lower cabinet has locking doors, 2 sliding bottom shelves, 2 sliding top shelves.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Physical Requirements

<b>Width:</b> 36.00 in (914 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.50 in (648 mm)	<b>Right:</b> N/A
<b>Height:</b> 40.50 in (1029 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 1240 lbs (562.5 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

##### Specification:

Dimensions when configured with L-Block shield and dose calibrator on stand are: 39.5W x 61.5"H  
Provide electrical outlet on wall above backsplash for dose calibrator.

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

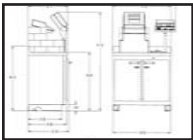
#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	per notes - (1"lead) need cart + disp Per notes - No locks required, door to room has lock / punch code / keypad for access For new cabs - need SS top -lip on the front -individual tops but can special order -new ss top w/ lip on front/sides + back splash
<b>Total:</b>					<b>1</b>	

## LEAD-LINED PET UNIT DOSE CABINET



Available with .25", .5" and 1" lead shielding.



Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com).

- Designed for PET hot labs with limited space
- Accommodates:
  - Compact L-Block Shield with Built-in Dose Calibrator Shield
  - PET Sharps Container Shield
  - Lead Brick Cave
  - Atomlab Dose Calibrators and most others
- Sliding shelves for:
  - PET shipping containers
  - Small items
- Lead shielded on all six sides
- Key-locked doors

**D**esigned for PET hot labs with limited space, the PET Unit Dose Cabinet provides a space-efficient work area over a fully shielded storage cabinet.

The cabinet supports the 042-433 Biodex Compact L-Block with Built-in Dose Calibrator Shield, the 039-412 Sharps Container Shield, the 042-434 Lead Brick Cave, and accommodates all of our Atomlab Dose Calibrators and many others. The dose calibrator display unit mounts on a stand above the countertop to maximize work space.

The lower cabinet has key-locking doors, two sliding bottom shelves, and two sliding upper shelves. The bottom shelves will accommodate PET shipping containers. The top shelves conveniently store syringes, syringe shields, and other small items. This cabinet is completely shielded on all six sides with .25", .5" and 1" lead, and can stand alone or be grouped with other cabinets.

All cabinets in this product line are built to the industry standard height of 36.5". All units include a stainless steel countertop incorporating a 0.5" lip and 4" backplash. When ordering multiple units for grouped configuration, a unified countertop may be ordered to provide a continuous work surface.

Upon request, Biodex will factory mount the L-Block and Sharps Shield in place eliminating the need for on-site lifting equipment. A simple pallet jack is all that is required to move the unit.

### SPECIFICATIONS:

Dimensions: 36.5" w x 24" depth x 36.5" h (93 x 61 x 93 cm)

Lead Shielding: .25" thick (.64 cm)

Finish: Powder coat

Doors: Key-locked

Countertop: Stainless steel with 4" (10.2 cm) backplash and .5" (1.3 cm) spillproof lip

Weight Capacity: 1550 lb (703 kg)

Weight: 1240 lb (562 kg)

**244-200** Cabinet, PET, Unit Dose, .25" lead

*Does not accommodate Lead Brick Cave*

**244-205** Cabinet, PET, Unit Dose, .25" lead

*Accommodates Lead Brick Cave 042-434*

*Note: The cabinet is also available with .5" and 1" lead shielding. Call for quote.*

### Related:

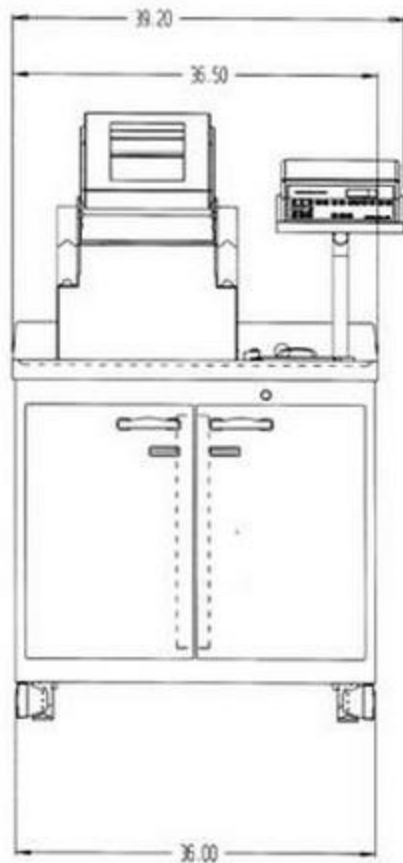
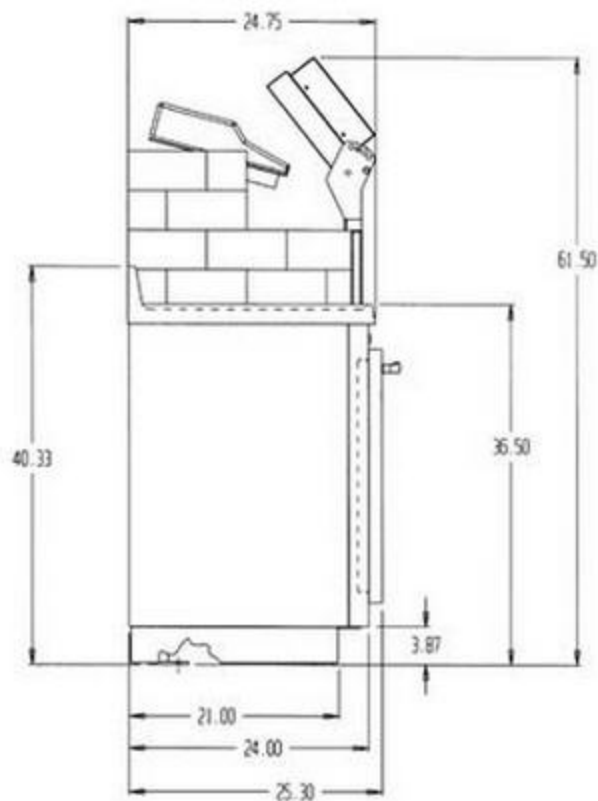
**042-433** L-Block Shield, Compact, 1.5" lead  
*With built-in Dose Calibrator Shield*

**042-434** Lead Brick Cave, 3-wall, 2" lead  
*Fits 042-433 L-Block Shield*

**086-332** Dose Calibrator, Atomlab™ 500*Plus*,  
100-240 VAC  
*Includes: Smart Display, ionization chamber,  
well counter, RS-232 port, vial/syringe dipper  
and well insert.*

**039-412** Sharps Container Shield, PET, 1" lead  
*Uses one 039-413 Sharps Container*

**039-413** Sharps Container, 3.2 qt., 30/pkg  
*Fits 039-412*



PET H01 LAB  
244-200

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Cabinet, Storage, Clinical, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-132 Sink and Waste (1' lead)

**Atta ID:** 3490-040

**Alt ID:**

**Mfr #:** 244-132

**Vendor #:** 244-132

**CAD ID:** CST0945

**Item ID:**

Lead lined sink and waste cabinet. 1" lead. Designed for hot and cold storage. Shielded waste chute, stainless sink, wrist blades and faucet. Waste section is shielded on all six sides. Includes waste container and shielded cover. Key-locked door. Stainless steel countertop with 4" backsplash and .5" spillproof lip. Powder coat finish.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 1 - Fixed	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 30.50 in (775 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.50 in (648 mm)	<b>Right:</b> N/A
<b>Height:</b> 45.75 in (1162 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 2260 lbs (1025.1 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> Yes	<b>Gasses:</b> No
<b>Water - Hot:</b> Yes	<b>Drain:</b> Yes
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

Height includes tap & back splash. Depth includes door and back splash.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

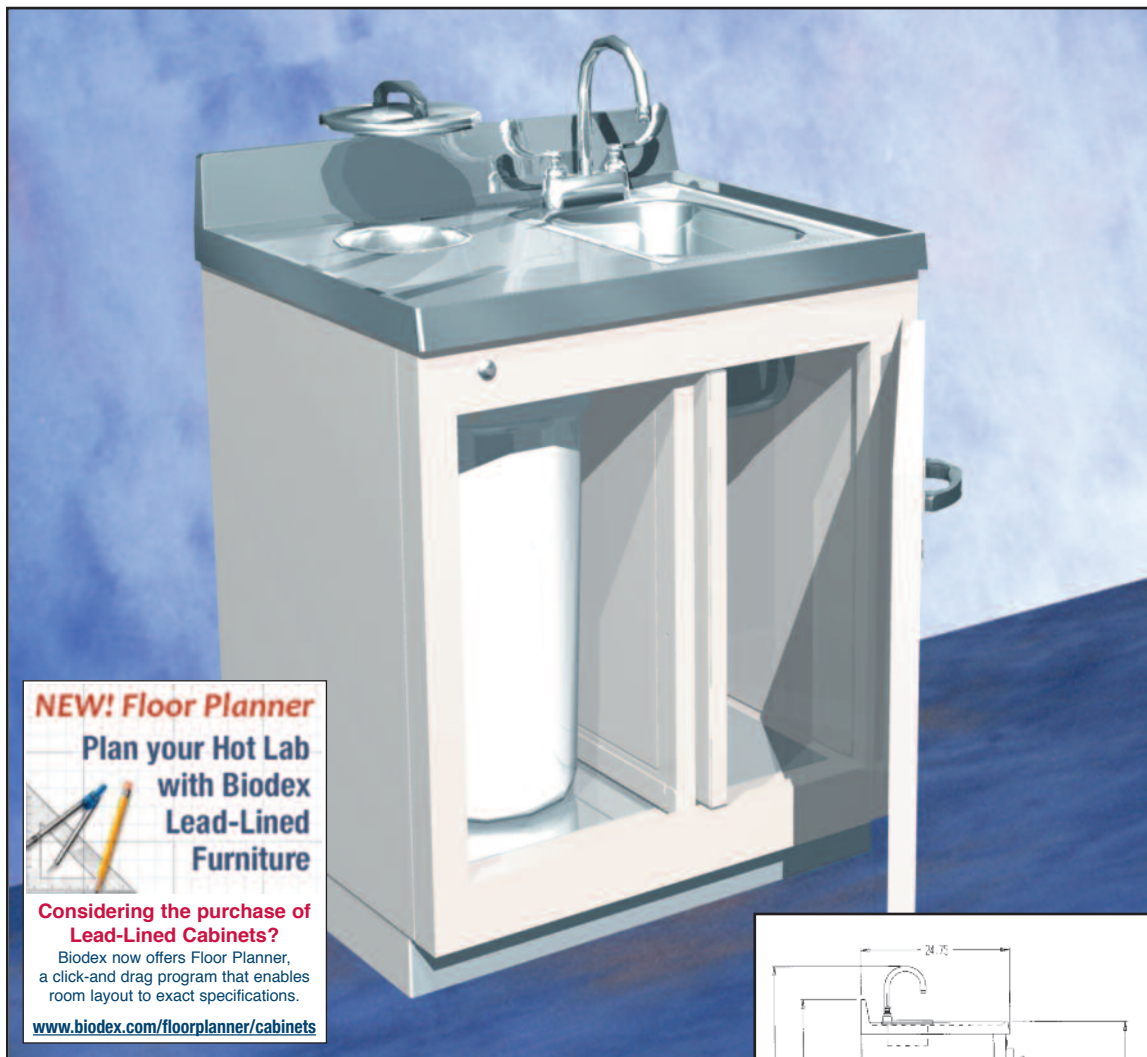
#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per notes - No locks required, door to room has lock / punch code / keypad for access For new cabs - need SS top -lip on the front -individual tops but can special order -new ss top w/ lip on front/sides + back splash

**Total:** 1

## LEAD-LINED

# SINK AND WASTE CABINET



*Two sections for hot and cold waste*

**T**he Sink and Waste Cabinet performs three functions. A stainless steel sink allows the convenience of running water in the hot lab. The space under the sink is used for cold storage. Separated from the sink section by a lead barrier, the waste section includes a shielded port that allows waste to be dropped into a polyethylene container for storage until decayed.

### SPECIFICATIONS:

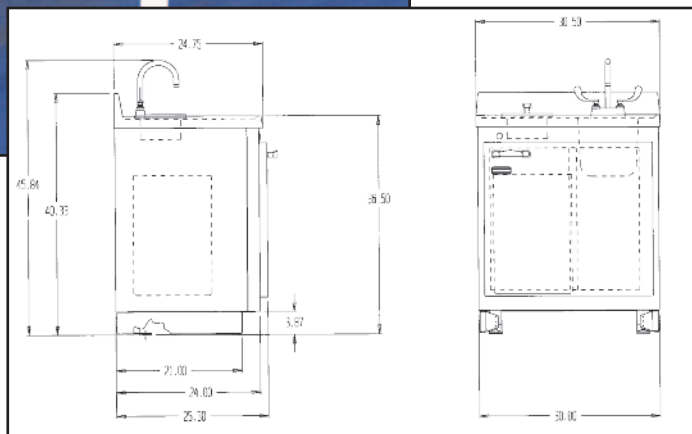
**Dimensions:** 30.5" w x 24" depth x 36.5" h (77.5 x 61 x 92.7 cm)  
**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides  
**Sink Section:** 10" w x 14" depth x 10" h (25.4 x 35.6 x 25.4 cm)  
Integral stainless steel sink with gooseneck faucet and wrist blades;  
suitable for cold storage

### Waste Section:

**Chute:** 6.5" dia (16.5 cm) with .5" thick (1.3 cm) lead shielded cover  
**Container: I.D.:** 20.5" h x 11.25" dia (52 x 28.6 cm), polyethylene,  
7 gal capacity  
**Door:** Key-locked  
**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm)  
spillproof lip  
**Finish:** Powder coat

### Weight:

244-130: 849 lb (386 kg)  
244-131: 1253 lb (569.5 kg)  
244-132: 2260 lb (1027.3 kg)



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com).*

**244-130** Cabinet, Sink and Waste, .25" lead

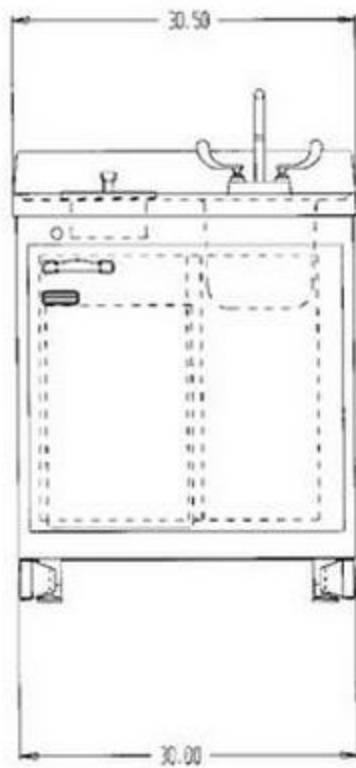
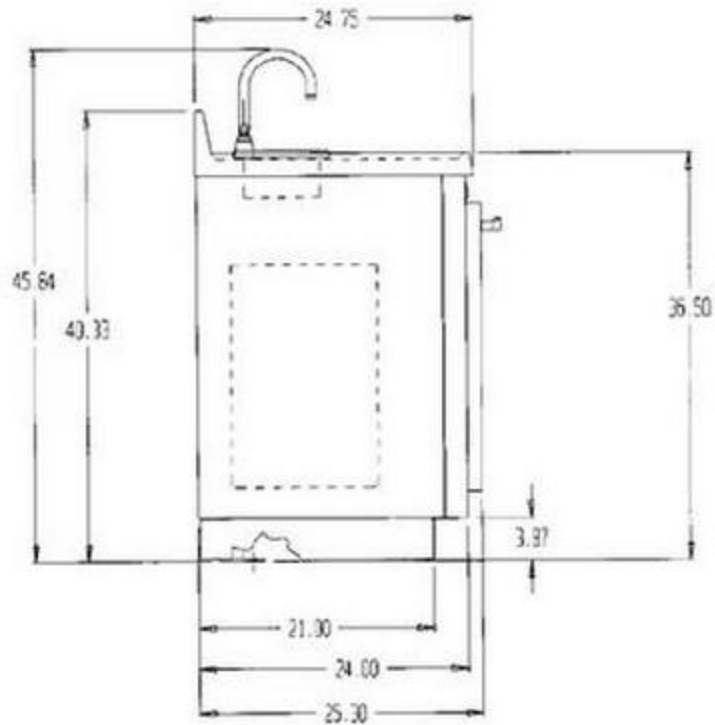
**244-131** Cabinet, Sink and Waste, .5" lead

**244-132** Cabinet, Sink and Waste, 1" lead

*Notes: Reverse door swing available.*

*Foot Pedal operated sink is available.*

*Call for quote.*



SINK WASTE  
244-130

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Cart, Transport, C-locker

**Manufacturer:** Herman Miller Healthcare ((616) 654-7489)

**Vendor:** Herman Miller Healthcare ((616) 654-7489)

**Model:** Co/Struc TR3 Cart [CO342FF]

**Atta ID:** 3522-001

**Alt ID:**

**Mfr #:** CO342FF

**Vendor #:** CO342FF

**CAD ID:** CAR0001

**Item ID:**

C-Locker transport cart. Molded polyethelene cart with 4-1/2" casters. Foot activated lever for lifting a C-locker unit from cart to wall railing or from wall down to cart for transport. Includes a towing handle and a train connector for linking to multiple carts. Twelve year parts and labor warranty.

#### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 27.75 in (705 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.25 in (641 mm)	<b>Right:</b> N/A
<b>Height:</b> 41.75 in (1060 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 20 lbs (9.1 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor-Mobile	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

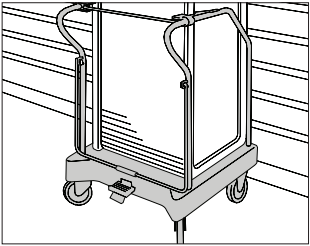
**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B129	PET/CT	Existing (Reuse)	Draft (Existing)	4	per note - singlesPer VA document Equipment List Comments - 1. 3522-001 Cart Transport Lockers should be EXISTING not new in rooms X107, X113, and X115
Nuclear Medicine	B120	SPECT/CT	Existing (Reuse)	Draft (Existing)	4	Per note - existing
Nuclear Medicine	B123	SPECT/CT	Existing (Reuse)	Draft (Existing)	4	Per VA document Equipment List Comments - 1. 3522-001 Cart Transport Lockers should be EXISTING not new in rooms X107, X113, and X115
<b>Total:</b>					<b>12</b>	





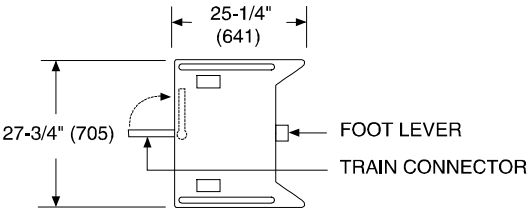
Product Information
Description
This cart is used to maneuver and transport lockers. It has a foot-activated lever that lifts a locker from a rail to a cart or from a cart to a rail. The cart also has a towing handle and a train connector for linking multiple carts. A maximum of 3 carts can be linked when pulled manually; a maximum of 7 carts can be linked when pulled with a tug. Shipped knocked down.
Dimensions

Specification Information
Step 1.
CO342FF
Step 2. Surface Finish
HF inner tone light

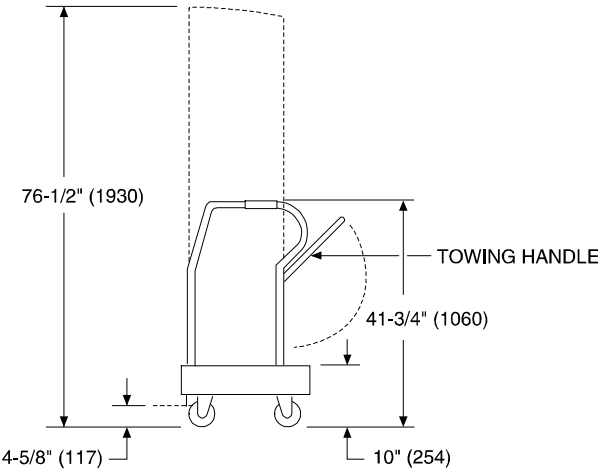
\$2051

+\$0

Co/Struc® Transport



TOP



SIDE



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Centrifuge, General Purpose, Countertop

**Manufacturer:** Beckman Coulter, Inc. ((800) 742-2345)

**Vendor:** Beckman Coulter, Inc. ((800) 742-2345)

**Model:** Allegra 6

General purpose countertop centrifuge. Features 6,100 rpm maximum speed. Processes up to 56 x 15 mL conical tubes or 12 standard microplates. Spins tubes, bottles, microplates, specialty bottles, blood bags. Rotors or buckets sold separately.

**Atta ID:** 3598-089

**Alt ID:**

**Mfr #:** 366802

**Vendor #:** 366802

**CAD ID:** CEN0192

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

#### Physical Requirements

<b>Width:</b> 21.50 in (546 mm)	<b>Left:</b> 3.00 in (76 mm)
<b>Depth:</b> 26.00 in (660 mm)	<b>Right:</b> 3.00 in (76 mm)
<b>Height:</b> 16.00 in (406 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 114 lbs (51.7 kg)	<b>Back:</b> 3.00 in (76 mm)
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> 21.00 in (533 mm)
	<b>Bottom:</b> N/A

#### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> N/A
<b>Hz:</b> 60	<b>Amps:</b> N/A
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

Weight does not include rotor. Height with lid open is 37".

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Existing (Reuse)	Draft (Existing)	1	per notes - centerfuge - in the upper right counter, existing equipment, 110 V
<b>Total:</b>					<b>1</b>	

The **ideal choice** for cell culture  
and general purpose separations.

## Allegra 6 Series Benchtop Centrifuges

Blood Banking  
Capillary Electrophoresis  
Cell Analysis  
**Centrifugation**  
Genomics  
Lab Automation  
Lab Tools  
Particle Characterization



The Allegra 6 Series Benchtop Centrifuges provide versatile, high-capacity performance for a wide variety of cell culture, plasma and general purpose separations.



4 x 750 mL  
GH-3.8  
Swinging-  
bucket Rotor

### GH-3.8 Swinging-bucket Rotor

- 4 x 750 mL Maximum Capacity
- 11 Different Adapters — Spin From 1.5 mL Tubes to 750 mL Bottles
- Bucket Covers Certified\* for Biocontainment
- Up to 3,210 x g

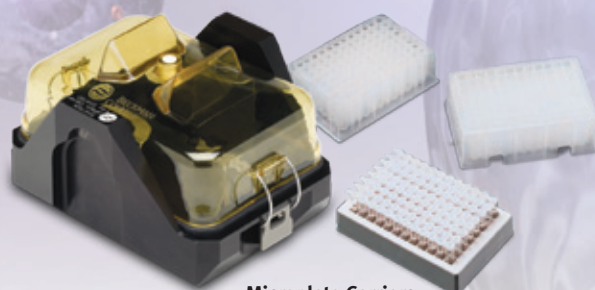
### Aerosolve Canisters and Lids for Maximum Protection — Certified Biocontainment

- Clear Plastic Body and Special Adapters Allow Tube Inspection While Canister Remains Sealed
- Autoclavable up to 121°C
- Available adapters from 1.5 mL Tube to 230 mL Conical Bottle



### Microplate Carriers — Perfect for Cell Adhesion

- For Use with GH-3.8 Swinging-bucket Rotor
- Holds 16 Standard Microplates, 4 Deep-well (1.8 mL) or 4 Square-well (2.0 mL) Plates
- Up to 2,980 x g



Microplate Carriers  
for GH-3.8 Rotor



Modular Disk  
Adapters for  
GH-3.8 Rotor

## Specifications

	Allegra 6R	Allegra 6	Allegra 6KR
Refrigeration	Yes, CFC-Free	No	Yes, CFC-Free
Maximum Speed	6,100 rpm (Fixed-angle) 3,750 rpm (Swinging-bucket)	6,100 rpm (Fixed-angle) 3,750 rpm (Swinging-bucket)	6,100 rpm (Fixed-angle) 3,750 rpm (Swinging-bucket)
Maximum <i>g</i> -Force	5,710 x <i>g</i> (Fixed-angle) 3,210 x <i>g</i> (Swinging-bucket)	5,710 x <i>g</i> (Fixed-angle) 3,210 x <i>g</i> (Swinging-bucket)	5,710 x <i>g</i> (Fixed-angle) 3,210 x <i>g</i> (Swinging-bucket)
Maximum Capacity	4 x 750 mL	4 x 750 mL	4 x 750 mL
Run Time	Timed (0-30 min), Hold	Timed (0-30 min), Hold	Timed (0-30 min), Hold
Drive	Direct, Brush Type	Direct, Brush Type	Direct, Brush Type
Noise at Max Speed	≤ 65 dBa	≤ 65 dBa	≤ 65 dBa
Operating Temperature	-5°C to +25°C	Ambient	-5°C to +25°C
Set Temperature Range	-10°C to +40°C	N/A	-10°C to +40°C
Dimensions (cm) Lid Closed	76W x 66D x 39.4H	54.6W x 66D x 40.6H	54.6W x 66D x 67.3H
Dimensions (in) Lid Closed	30W x 26D x 15.5H	21.5W x 26D x 16H	21.5W x 26D x 26.5H
Weight without Rotor	75.8 kg (167 lbs)	51.7 kg (114 lbs)	90.3 kg (199 lbs)

## Ordering Information

Part No.	Description
366816	Allegra 6R Centrifuge, 120V/60Hz
366802	Allegra 6 Centrifuge, 120V/60Hz
366830	Allegra 6KR Centrifuge, 120V/60Hz

## Rotors and Accessories

Part No.	Description	Max Speed (rpm)	Max RCF, <i>g</i>
360581	4 x 750 mL Swinging-bucket Rotor (GH-3.8) -11 Different Adapters Available	3,750	3,210
360585	Bucket Covers for GH-3.8 only (Set of 2)		
359232	Aerosolve Canisters for GH-3.8 only (Set of 4) -10 Different Adapters Available		
392806	Microplate Carriers (Set of 2) -Each Carrier Accommodates up to 4 Standard Microplates or 1 Deep-well Plate	3,750	2,890
367054	6 x 250 mL Fixed-angle Rotor (GA-6) -5 Different Adapters Available	6,100	5,710

For a complete listing of adapters, visit [www.beckmancoulter.com/centrifuge](http://www.beckmancoulter.com/centrifuge)



\* **BioCertified** is a term used to describe our products which have been tested and validated to demonstrate containment of microbiological aerosols by an independent, third-party facility (Health Protection Agency, Porton Down, UK or USAMRIID, Ft. Detrick, MD, USA). Improper use or maintenance may affect seal integrity and, thus, containment.

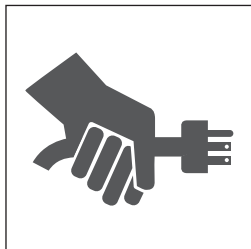
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B2010-11848

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## Installation Requirements



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### **WARNING**

**This centrifuge weighs 51.7 kg/114.0 lb (nonrefrigerated benchtop), 75.8 kg/167.0 lb (refrigerated benchtop), or 90.3 kg/199.0 lb (refrigerated kneewell). DO NOT attempt to lift or move it without assistance from another person.**

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### **WARNING**

**Do not place the centrifuge near areas containing flammable reagents or combustible fluids. Vapors from these materials could enter the centrifuge's air system and be ignited. Never bring any flammable substances within the 30-cm (1-ft) area surrounding the centrifuge. Maintain a clearance envelope of 7.6 cm (3 in.) around an operating centrifuge. No persons should be within this clearance envelope while the centrifuge is operating.**

---

## SPACE AND LOCATION REQUIREMENTS

Carefully remove the centrifuge and accessories from the shipping container. Save the container and packing materials for possible future relocation or storage of the centrifuge.

- Select a location away from heat-producing laboratory equipment, with sufficient ventilation to allow for heat dissipation.
- Position the centrifuge on a level surface (a sturdy table or laboratory bench for benchtop models) that can support the weight of the centrifuge (refer to SPECIFICATIONS in Section 1) and resist vibration.
- Allow a 7.6-cm (3-in.) clearance at each side and the back of the centrifuge to ensure sufficient air circulation. Dimensions are shown in Figure 2-1. The centrifuge must have adequate air ventilation to ensure compliance to local requirements for vapors produced during operation.
- Do not operate the centrifuge in ambient temperatures exceeding 35°C (95°F). Relative humidity should not exceed 95% (noncondensing).

Use the appropriate anti-rotation kit to secure the centrifuge to the working surface. The anti-rotation kit is designed to minimize the possibility of injury or damage that could result from centrifuge movement in the event of a rotor mishap.

- The anchoring kit for a benchtop centrifuge contains bolts to secure the centrifuge to the table or bench. Complete instructions (SP-TB-007) for installing the anti-rotation kit are included with the kit, which is shipped with the centrifuge.
- The anchoring kit for a kneewell centrifuge contains a stationary tray to roll the centrifuge into for operation. Complete instructions (GS6-TB-007) for installing the anti-rotation kit are included with the kit, which is shipped with the centrifuge.

## ELECTRICAL REQUIREMENTS

Allegra 6	Allegra 6R/ Spinchron R	Allegra 6KR
120 VAC, 8 A, 60 Hz	120 VAC, 12 A, 60 Hz	120 VAC, 12 A, 60 Hz
230 VAC, 4 A, 50 Hz	230 VAC, 8 A, 50 Hz	230 VAC, 8 A, 50 Hz
100 VAC, 10 A, 50/60 Hz	200 VAC, 10 A, 50/60 Hz	200 VAC, 10 A, 50/60 Hz

A 1.8-m (6-ft) power cord with grounded plug is supplied with the centrifuge. In regions where a different plug is required to meet local electrical and safety requirements, contact your local Beckman Coulter representative.

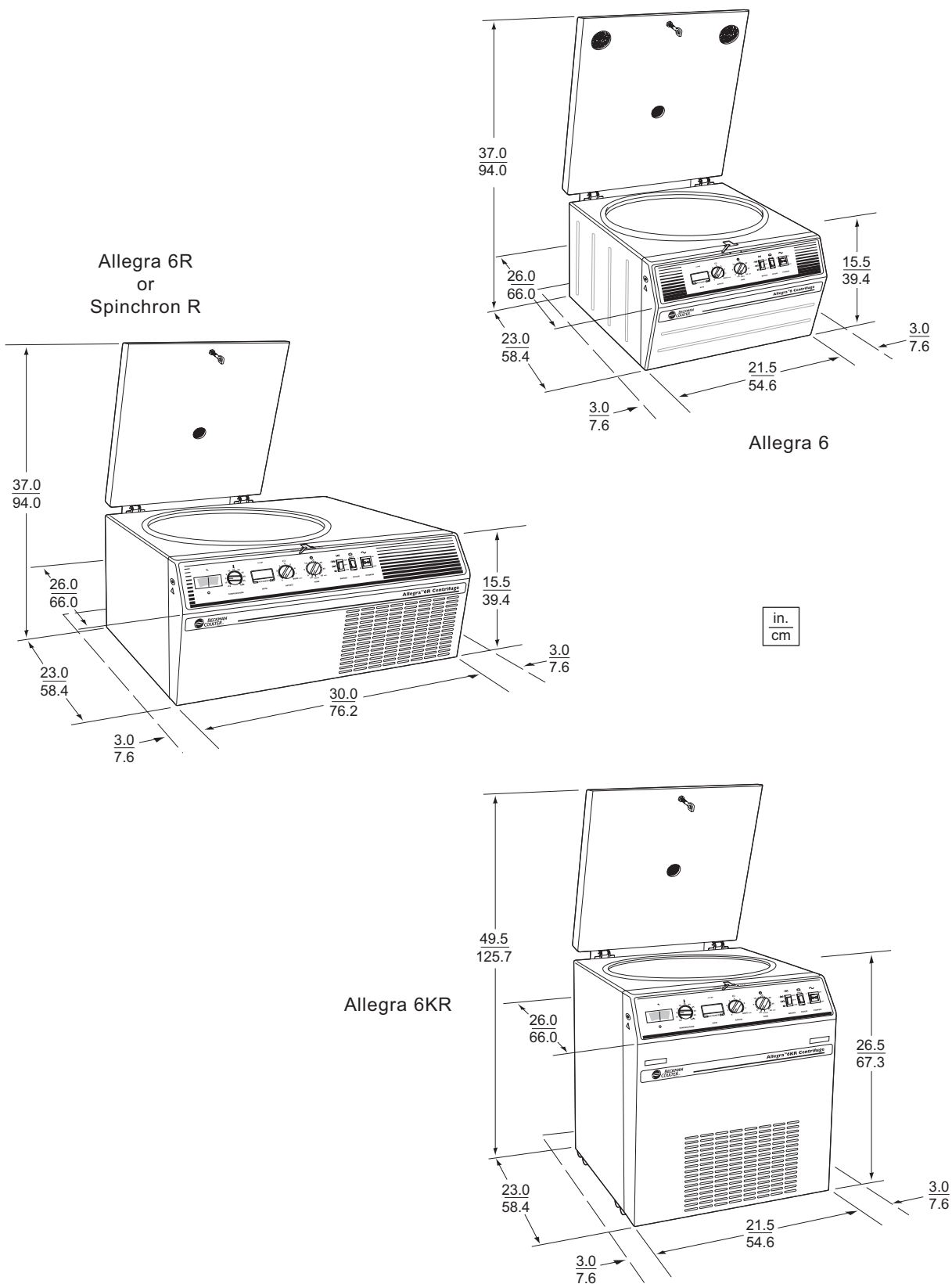


Figure 2-1. Centrifuge Dimensions



## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Chair, Clinical, Recliner, Treatment

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 214-210 Injection/Resting

**Atta ID:** 3616-018

**Alt ID:**

**Mfr #:** 214-210

**Vendor #:** 214-210

**CAD ID:** CHA0164

**Item ID:**

Clinical treatment recliner. Deep recline & Trendelenburg positions can only be achieved by the attendant. Quick release handle spans the entire width of chair. Fold down side table. 450 lb. patient capacity. Four, 5in, heavy-duty, locking & braking swivel casters.

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> Yes
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Physical Requirements

<b>Width:</b> 35.00 in (889 mm)	<b>Left:</b> N/A
<b>Depth:</b> 20.00 in (508 mm)	<b>Right:</b> N/A
<b>Height:</b> 49.00 in (1245 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 116 lbs (52.6 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor-Mobile	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Depth is 78" when seat and footrest are fully extended.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B119	PET/CT Hot Wait	Project	Draft (New)	2	
					<b>Total:</b>	<b>2</b>

## VEINLITE LED

*No more guesswork – this vein transilluminator accurately locates veins*



- Reduces error when injecting radioactivity in patients
- Reduces multiple needle sticks
- Reduces time required for vein access

**V**einlite LED helps locate the vein, and then secures it in place by stretching the skin for easy needle insertion. There are 24 diodes in two LED colors for vein imaging: 12 orange diodes are used for superficial veins and 12 red diodes are used for deeper veins or for dark-skinned patients. When time is of the essence, Veinlite LED eliminates the guesswork in locating the vein when injecting radioactivity into patients.

Disposable plastic covers are available to eliminate cross contamination.

### SPECIFICATIONS:

Dimensions: 3.75" l x 2" w x 1" thick (9.5 x 5.5 x 2.4 cm)

Power: Rechargeable lithium-ion battery

Weight: 3 oz (70 gm)

Warranty: One year

### 007-275 Veinlite LED

*Includes: 50 disposable plastic covers*

Replacement:

**007-276** Covers, Disposable Plastic, 50/pkg

## INJECTION / RESTING CHAIR

*A comfortable rest between injection and imaging*



**M**ost protocols require that prior to imaging, a patient rest for up to one hour after an injection of FDG F-18. Typical injection chairs are not designed for comfort, making rest difficult.

The Injection/Resting Chair is a comfortable resting spot for patients to wait between injection and imaging. The chair achieves three recline positions and features an infinitely adjustable back. For patient safety, deep recline and Trendelenburg positions can only be achieved by the attendant. A quick release handle that spans the entire width of chair back allows effortless position change from either side of the chair.

### SPECIFICATIONS:

Dimensions: 35" w x 49" h (89 x 125 cm)

Seat: 20" depth x 25" w x 21" h (51 x 64 x 53 cm)

Back: 25" w x 34" h, above seat (64 x 86 cm)

Upholstery: Blueridge, fire retardant

Frame: Welded powder-coated steel

Casters: Four 5" heavy-duty with positive locking swivel and wheel brakes

Warranty: Five-year on frame

Patient Capacity: 450 lb (204 kg)

Weight: 116 lb (52.6 kg)

**214-210** Chair, Injection / Resting

*To order, call Biodesx toll free...*

**1-800-224-6339**

Int'l 631-924-9000 • [www.biodesx.com](http://www.biodesx.com)



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Defibrillator, Monitor, w/Pacing

**Manufacturer:** Physio-Control Inc. ((800) 442-1142)

**Vendor:** Physio-Control Inc. ((800) 442-1142)

**Model:** LIFEPAK 20e (w/ Pacing, SpO2-Masimo, Nellcor)

**Atta ID:** 3678-057

**Alt ID:**

**Mfr #:** 70507-000081

**Vendor #:** 70507-000081

**CAD ID:** DFB0159

**Item ID:**

Monitor/Defibrillator with pacing and SpO2 package (one Masimo to Nellcor adapter cable). Combines an AED function for the infrequent, BLS-trained responder, with manual capability. Features 7 modes (including service, setup, archive etc.), internal battery as backup, LCD color display, waveform display speed 25 mm/sec for ECG, printing capability & data records transfer capability.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> 120
<b>Hz:</b> 60	<b>Amps:</b> 1
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> Yes	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Physical Requirements

<b>Width:</b> 10.50 in (267 mm)	<b>Left:</b> N/A
<b>Depth:</b> 10.50 in (267 mm)	<b>Right:</b> N/A
<b>Height:</b> 8.50 in (216 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 13 lbs (5.9 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B118D	Alcove (Crash Cart)	Existing (Reuse)	Draft (Existing)	1	Per VA document Equipment List Corrections - 21. 3678-057 Defibrillator, Monitor should be EXISTING instead of new in rooms X117D and X117A. Defib is existing in X117A
Nuclear Medicine	B118A	Crash Cart Alcove	Existing (Reuse)	Draft (Existing)	1	Reuse per Lance
<b>Total:</b>					<b>2</b>	



**LIFEPAK® 20e** DEFIBRILLATOR/MONITOR  
with CodeManagement Module™

# LIFEPAK® 20e DEFIBRILLATOR/MONITOR

## SPECIFICATIONS

### GENERAL

The LIFEPAK 20e defibrillator/monitor has seven main operating modes:

**Manual Mode:** Provides a normal operating capability for ALS users. Allows access to manual mode energy selections up to 360J, synchronized cardioversion and pacing. ECG waveform is displayed.

**AED Mode:** Provides a normal operating capability for BLS users. All user features are available except manual defibrillation, synchronized cardioversion, pacing, and access to archived patient records. Provides shock energy defaults up to 360J. User selectable option to display ECG waveforms and/or visual AED prompts.

**Setup Mode:** Allows the operator to configure the device settings.

**Service Mode:** Allows the operator to execute diagnostic tests and calibrations, to display device module software and hardware versions, and to display and print the diagnostic code log.

**Inservice Mode:** Simulated waveforms are available for demonstration purposes. The waveforms consist of short segments of realistic data, which are repeated to form a continuous waveform.

**Archive Mode:** Provides operator the opportunity to access records of previous patients for review, transmission, printing, editing or deletion.

**Auto Test Mode:** Performs daily self-tests.

### POWER

The device is an AC line operated device with an internal battery as backup.

**AC Powered:** 100–120 VAC 50/60Hz, 220–240 VAC 50/60 Hz, total power draw less than 120 Volt-Amperes (VA).

**Internal Battery Backup:** A new fully-charged internal backup battery will provide the following prior to shutdown:

	TOTAL	AFTER LOW BATTERY
Monitoring plus SpO <sub>2</sub> : (minutes):	210	5
Monitoring, plus pacing (at 100ma, 60 ppm), plus SpO <sub>2</sub> (minutes):	110	2
Defibrillation (360J discharges):	140	3

**Battery Charge Time:** <4 hours when device is powered off and AC power is applied.

**Low Battery Indication and Message:** When the device is unplugged from AC power, it switches to battery. When the battery gets low, the battery status indicator displays one yellow segment and a “low battery” message and warning tone occurs. Shortly thereafter the status indicator displays one flashing red segment, the “low battery; connect to AC power” message appears, and a warning tone occurs.

**Service Indicator:** LED illuminates when service is required.

### PHYSICAL CHARACTERISTICS

**Weight:**

- Fully featured defibrillator/monitor (pacing, SpO<sub>2</sub> and door, without paper or cables) 5.58 kg (12.3 lbs)
- QUIK-COMBO® cable: 0.20 kg (.43 lbs)
- Standard (hard) paddles: 0.88 kg (1.95 lbs)

**Height:** 21.3 cm (8.4 in)

**Width:** 26.2 cm (10.3 in)

**Depth:** 26.2 cm (10.3 in)

### DISPLAY

**Size (active viewing area):** 115.18 mm (4.53 in) wide x 86.38 mm (3.4 in) high

**Resolution:** 320 x 240 dot color active LCD

Displays a minimum of 3.7 seconds of ECG and alpha numeric for values, device instructions or prompts

Option to display one additional waveform

**Waveform display sweep speed:** 25 mm/sec for ECG and SpO<sub>2</sub>

### DATA MANAGEMENT

The device can easily print a CODE SUMMARY™ critical event record, including an introduction with patient information and critical event record. The summary report also includes event and vital signs log, and waveforms associated with certain events. The device can print archived patient records.

### COMMUNICATIONS

The device is capable of transferring data records by IrDA.

### MONITOR

**ECG**

ECG can be monitored through 3-wire or 5-wire ECG cables.

Standard paddles or therapy electrodes (QUIK-COMBO pacing/defibrillation/ECG electrodes or FAST-PATCH® disposable defibrillation/ECG electrodes) are used for paddles lead monitoring. Compatible with LIFEPAK 12 ECG and therapy cables.

**Lead Selection:**

Leads I, II and III, (3-wire ECG cable)

Leads I, II, III, AVR, AVL, and AVF, V (c) acquired simultaneously, (5-wire ECG cable)

**ECG size:** 4, 3, 2.5, 2, 1.5, 1, 0.5, 0.25 cm/mV

**Heart Rate Display:** 20–300 bpm digital display

**Out of Range Indication:** Display symbol “---”

Heart symbol flash for each QRS detection

**Continuous Patient Surveillance System (CPSS):** In AED mode, while Shock Advisory System™ is not active, CPSS monitors the patient via QUIK-COMBO paddles or Lead II ECG for potentially shockable rhythms.

**Voice Prompts:** Used for selected warnings and alarms (Configurable On/Off)

**Analog ECG Output:** 1V/mV x 1.0 gain < 35 ms delay

**Common Mode Rejection:** 90 db at 50/60 Hz

**SpO<sub>2</sub>**

Masimo SET®

- Additional configuration available for compatibility with select Nellcor sensors

**Saturation Range:** 1 to 100%

**Saturation Accuracy:** 70–100% (0–69% unspecified)

**Adults/Pediatrics:**

- +/- 2 digits (during no motion conditions)
- +/- 3 digits (during motion conditions)

**Neonates:**

- +/- 3 digits (during no motion conditions)
- +/- 3 digits (during motion conditions)

Dynamic signal strength bar graph

Pulse tone at the onset of the pleth waveform

**SpO<sub>2</sub> Update Averaging Rate:** User selectable 4, 8, 12 or 16 seconds

**SpO<sub>2</sub> Measurement:** Functional SpO<sub>2</sub> values are displayed and stored

**Pulse Rate Range:** 25 to 240 pulses per minute

**Pulse Rate Accuracy:** (Adults/Pediatrics/Neonates)

+/- 3 digits (during no motion conditions)

+/- 5 digits (during motion conditions)

SpO<sub>2</sub> waveform with autogain control

### ALARMS

**Quick Set:** Activates alarms for all parameters

**VF/VT Alarm:** Activates continuous CPSS monitoring in Manual Mode

### PRINTER

**Prints continuous strips of the displayed patient information**

**Paper size:** 50 mm (2.0 in)

**Print speed:** Continuous ECG 25 mm/sec +/- 5% (measured in accordance with AAMI EC-11, 4.2.5.2)

**Delay:** 8 seconds

**Autoprint:** Waveform events print automatically (user configurable)

**Print Speed for CODE SUMMARY Reports:** 25 mm/sec

### FREQUENCY RESPONSE

**Diagnostic:** 0.05 to 150 Hz or 0.05 to 40 Hz (user configurable)

**Monitor:** 0.67 to 40 Hz or 1 to 30 Hz (user configurable)

**Paddles:** 2.5 to 30 Hz

**Analog ECG Output:** 0.67 to 32 Hz (except 2.5 to 30 Hz for paddles ECG)

### DEFIBRILLATOR

**Waveform:** Biphasic Truncated Exponential. The following specifications apply from 25 to 200 ohms, unless otherwise specified.

**Energy Accuracy:** ±1 joule or 10% of setting, whichever is greater, into 50 ohms ±2 joule or 15% of setting, whichever is greater, into any impedance from 25–100 ohms

**Voltage Compensation:** Active when disposable therapy electrodes are attached. Energy output within ± 5% or ± 1 joule, whichever is greater, of 50 ohm value, limited to the available energy which results in the delivery of 360 joules into 50 ohms.

PATIENT IMPEDENCE	PHASE 1 DURATION (MS)		PHASE 2 DURATION (MS)	
	MIN.	MAX.	MIN.	MAX.
25	5.1	6.0	3.4	4.0
50	6.8	7.9	4.5	5.3
100	8.7	10.6	5.8	7.1
125	9.5	11.2	6.3	7.4

**Paddle Options:**

- QUIK-COMBO pacing/defibrillation/ECG electrodes (standard)
- Standard adult paddles with embedded pediatric paddles (optional)
- Internal handles with discharge control (optional)
- External sterilizable paddles (optional)

**Cable length:** 2.4 meter (8-foot) long QUIK-COMBO cable (not including electrode assembly)

**MANUAL**

**Energy Select:** 2, 3, 4, 5, 6, 7, 8, 9, 10, 15, 20, 30, 50, 70, 100, 125, 150, 175, 200, 225, 250, 275, 300, 325, and 360 joules and user configurable sequence of 100–360, 100–360, 100–360 joules

**Charge time:**

- Charge time to 200J <5 seconds with fully charged battery
- Charge time to 360J <7 seconds with fully charged battery
- Charge time to 360J <10 seconds while not in low battery operations

**Synchronized Cardioversion:**

- Energy transfer begins within 60 ms of the QRS peak
- Energy transfer begins within 25 ms of the External Sync Pulse
- External Sync Pulse; 0–5V (TTL Level) Pulse, active High, > 5 ms in duration, no closer than 200 ms apart and no further than 1 second apart

**AED**

**Shock Advisory System** is an ECG analysis system that advises the operator if the algorithm detects a shockable or nonshockable ECG rhythm. The shock advisory system acquires ECG via therapy electrodes only.

**Shock Ready Time:** Using a fully charged battery at normal room temperature, the device is ready to shock within 16 seconds of power on, if initial rhythm finding is "Shock Advised"

The AED mode of the LIFEPAK 20e defibrillator/monitor is not intended for use on children less than 8 years of age.

**cprMAX™ technology Setup Options (items marked with \* are default settings)**

- Stacked Shocks: Off\*, On
- Initial CPR: Off\*, Analyze First, CPR First
- Preshock CPR: Off\*, 15, 30 seconds
- Pulse Check: Never\*, After Second No Shock Advised, After Every No Shock Advised, Always
- CPR Time 1 & 2: 15, 30, 45, 60, 90, 120\*, 180 seconds, 30 minutes

Users should refer to the LIFEPAK 20e defibrillator/monitor operating instructions for details on how to customize the configuration of their devices to hospital protocols.

**PACER**

**Pacing Mode:** Demand or nondemand rate and current defaults (user configurable)

**Pacing Rate:** 40 to 170 ppm

**Rate Accuracy:** +/- 1.5% over entire range.

**Output Waveform:** Monophasic, amplitude stable to +/- 5% relative to leading edge for currents greater than or equal to 40 mA, Duration 20 +/- 1 ms, Rise/Fall times <= 1 ms [10–90% levels]

**Output Current:** 0 to 200 mA

**Pause:** Pacing pulse frequency reduced by a factor of 4 when activated

**Refractory Period:** 200 to 300 ms +/- 3% (function of rate)

**ENVIRONMENTAL**

**Temperature, Operating:** 5 to 40° C (41 to 104°F)

**Temperature, Nonoperating:** -20 to +60° C (-4 to +140° F) except therapy electrodes

**Relative Humidity, Operating:** 5 to 95%, noncondensing

**Atmospheric Pressure, Operating:** Ambient to 522 mmHg (0 to 3,048 meters) (0 to 10,000 feet)

**Water Resistance, Operating (without accessories except for ECG Cable and hard paddles):** IPX1 (spillage) per IEC 60601-1 clause 44.6

**Vibration:** MIL-STD-810E Method 514.4, Cat 1

**Shock (Drop):** 1 drop on each side from 45.7 cm (18 in.) onto a steel surface

**EMC**

IEC 60601-1-2: 2001/EN 60601-1-2:2001, Medical Equipment-General Requirements for Safety-Collateral Standard: Electromagnetic Compatibility-Requirements and Tests

IEC 60601-2-4:2002: Clause 36/EN 60601-2-4:2003: Clause 36, Particular Requirements for the Safety of Cardiac Defibrillators and Cardiac Defibrillator Monitors

All specifications are at 20° C (68° F) unless otherwise stated.

**CodeManagement** MODULE..**SPECIFICATIONS****PHYSICAL CHARACTERISTICS**

CodeManagement Module adds 3.6 lb (1.63 kg) to LIFEPAK 20/20e defibrillator/monitors.

**Size (maximum) of LIFEPAK 20/20e device with CodeManagement Module**

**Height:** 10.0 in (25.4 cm)

**Width:** 10.3 in (26.2 cm)

**Depth:** 11.7 in (29.7 cm)

**DISPLAY**

With CodeManagement Module, the LIFEPAK 20e defibrillator/monitor displays a minimum of 3.7 seconds of ECG and alphanumeric for values, device instructions, or prompts

**Waveform display sweep speed:** 12.5 mm/sec for CO<sub>2</sub>

**POWER**

**LIFEPAK 20/20e defibrillator/monitor with CodeManagement Module**

**AC Powered:** 100–120 VAC 50/60Hz, 220–240 VAC 50/60 Hz, total power draw less than 150 Volt-Amperes (VA)

**Internal Battery Backup:** Lithium-ion. Batteries charge while device operates from AC Power.

**Low Battery Indication and Message:** When the device is unplugged from AC power, it switches to battery. When battery gets low on the CodeManagement Module, the defibrillator indicates with a message to connect to AC power in the status area, and a warning tone occurs.

**Battery charge time:** <4 hours when device is powered off and AC power is applied

**Operating time:** A new fully-charged internal backup battery will provide at least 210 minutes of monitoring prior to shutdown.

**CO<sub>2</sub> MONITORING**

**Drift of Measurement Accuracy:** No drift in accuracy for at least 6 hours

**Respiration Rate Accuracy:** 0 to 70 bpm: ±1 bpm  
71 to 99 bpm: ±2 bpm

**Respiration Rate Range:** 0 to 99 breaths/minute

**CO<sub>2</sub> Range:** 0 to 99 mmHg (0 to 13.2 kPa)  
Units: mmHg, %, or kPa

**Flow Rate:** 42.5 to 65 ml/min (measured by volume)

**Rise Time:** 190 msec

**Response Time:** 4.5 seconds maximum (includes delay time and rise time)

**Initialization Time:** 30 seconds (typical), 10–180 seconds

**Ambient Pressure:** Automatically compensated internally

**Waveform Scale Factors:** Autoscale, 0–20 mmHg (0–4 Vol%), 0–50 mmHg (0–7 Vol%), 0–100 mmHg (0–14 Vol%)

**CO<sub>2</sub> Accuracy**

	CO <sub>2</sub> PARTIAL PRESSURE AT SEA LEVEL:	ACCURACY:
(0–80 bpm)*	0 to 38 mmHg (0 to 5.1 kPa)	±2 mmHg (0.27 kPa)
	39 to 99 mmHg (5.2 to 13. kPa)	±5% of reading + 0.8% for every 1 mmHg (0.13 kPa) above 38 mmHg (5.2 to 13. kPa)
(>80 bpm)*	0 to 18 mmHg (0 to 2.4 kPa)	±2 mmHg (0.27 kPa)
	19 to 99 mmHg (2.55 to 13.3 kPa)	±4 mmHg (0.54 kPa) or ±12% of reading, whichever is higher

\*For RR > 60 bpm, to achieve specified CO<sub>2</sub> accuracy, the Microstream® Filterline® H Set for infants must be used.

**DATA MANAGEMENT AND TRANSMISSION**

The LIFEPAK 20/20e device captures and stores patient data, events (including waveforms and annotations), and continuous ECG and CO<sub>2</sub> waveform records in internal memory.

Wireless data transmission via LIFENET network.

**WIRELESS NETWORKS**

The LIFEPAK 20/20e device with the CodeManagement Module supports the following:

- 802.11a, b, g, and n wireless networking standards
- Security types:
  - Open
  - WPA-Personal
  - WPA2-Personal
  - WPA-Enterprise
  - WPA2-Enterprise
- Enterprise authentication protocols:
  - EAP-TLS
  - EAP-TTLS
  - PEAP/MSCHAPv2
- TCP/IP support
  - Internet Protocol Version 4 (IPv4)
  - IP addressing: automatically obtains IP address, or a static address may be assigned.
  - DNS servers: automatically obtains DNS server address, or static addresses of the primary and secondary DNS servers may be assigned.

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Dispenser, Medication, Host (Main)

**Manufacturer:** CareFusion - Pyxis (888.876.4287)

**Vendor:** CareFusion - Pyxis (888.876.4287)

**Model:** Pyxis MedStation ES (2-Drwr, 0 Cubie)

Automated medication dispenser. 2-drawer main unit without Cubie drawers. Features E-drawer assembly with enhanced communication sled, power module and backup battery. BioID scanner, barcode scanner, keyboard, enhanced touchscreen and docking station.

**Atta ID:** 3708-136

**Alt ID:**

**Mfr #:**

**Vendor #:**

**CAD ID:** MED0247

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/V	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> 120
<b>Hz:</b> 60	<b>Amps:</b> 1
<b>Phase:</b> Single	<b>BTU/hr:</b> 409
<b>KVA:</b>	<b>Ded. Circuit:</b> Yes
<b>Emer. Power:</b> Yes	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Physical Requirements

<b>Width:</b> 23.00 in (584 mm)	<b>Left:</b> N/A
<b>Depth:</b> 26.75 in (679 mm)	<b>Right:</b> N/A
<b>Height:</b> 28.00 in (711 mm)	<b>Front:</b> 24.00 in (610 mm)
<b>Max Weight:</b> 101 lbs (45.8 kg)	<b>Back:</b> 2.25 in (57 mm)
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> 18.00 in (457 mm)
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> Yes	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

##### Specification:

Max depth with drawer pulled out is 50".

Final weight of unit varies based on drawer configuration and addition of supplies.

Electrical requirements are for main only. Each component requires independent outlet, see cutsheet for details.

Dedicated circuit breaker recommended for all equipment.

##### Structural:

##### Electrical:

##### Plumbing:




##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B164	Nurse	Existing (Reuse)	Draft (Existing)	1	Per note - have a small Pyxis unit in nurse office or NM stress 30", 300# Per VA document Equipment list Corrections - 2. 3708-136 Care Fusion Pyxis should be EXISTING not new in room X111
					<b>Total:</b>	<b>1</b>

## Pyxis MedStation ES system main cabinet specifications

The following table provides specifications for Pyxis MedStation ES system main cabinets.

Photo	Equipment	Imperial dimensions	Metric dimensions	BTUs	Steady power (Watts)	Peak power (Watts)
	Six-drawer	26.7" (L) 22.8" (W) 54.4" (H) (to top of enhanced touchscreen)	67.8 cm (L) 57.9 cm (W) 138.2 cm (H) (to top of enhanced touchscreen)	409	80	120
	Two-drawer	26.7" (L) 22.8" (W) 27.9" (H) (to top of enhanced touchscreen)	67.8 cm (L) 57.9 cm (W) 70.9 cm (H) (to top of enhanced touchscreen)	409	80	120
	Zero-drawer (connected to auxiliary cabinets)	26.7" (L) 22.8" (W) 14.7" (H) (to top of enhanced touchscreen)	67.8 cm (L) 57.9 cm (W) 37.3 cm (H) (to top of enhanced touchscreen)	273	65	80

# Weight specifications

The following table provides approximate weight specifications for Pyxis MedStation ES system components.

Equipment	Imperial weight	Metric weight
<b>Main cabinet (without drawers, unless specified)</b>		
Six-drawer	165.5 lb	75.1 kg
Four-drawer bin	165.5 lb	75.1 kg
Two-drawer	100.7 lb	45.7 kg
Zero-drawer	48.0 lb	21.8 kg
<b>Auxiliary (without drawers, unless specified)</b>		
Seven-drawer	133 lb	60.3 kg
Two-drawer	100.7 lb	45.7 kg
Double-column eight-door	470.5 lb	213.4 kg
Single-column four-door	314 lb	142.4 kg
Half-height tower auxiliary	260 lb	118.0 kg
<b>Pyxis MedStation ES system consoles</b>		
Dell PowerEdge T310 tower server	51.8 lb	23.5 kg
Dell PowerEdge T410 tower server	62.6 lb	28.4 kg
Dell PowerEdge R310 rack server	35.0 lb	15.9 kg
Dell PowerEdge R410 rack server	35.0 lb	15.9 kg
<b>Drawers/pockets</b>		
Matrix drawer	26 lb	11.6 kg
Matrix drawer (return bin)	30 lb	13.6 kg
CUBIE drawer set (no pockets)	52.2 lb	23.7 kg
CUBIE drawer set (with pockets)	63 lb	28.6 kg
CUBIE Pocket 1x1	2.6 oz	0.07 kg
CUBIE Pocket 1x2	4.7 oz	0.13 kg
CUBIE Pocket 1x3	7.9 oz	0.22 kg
Full-height CUBIE drawer (no pockets)	38.6 lb	17.5 kg
Full-height CUBIE pocket 1X	5.4 oz	.15 kg
Full-height CUBIE pocket 2X	9.0 oz	.26 kg
Full-height CUBIE pocket 3X	12.2 oz	.35 kg
Full-height CUBIE pocket 5X	19.7 oz	.56 kg



Equipment	Imperial weight	Metric weight
<b>Drawers/pockets (continued)</b>		
MiniDrawer I-6	55 lb	24.9 kg
MiniDrawer I-10	57.9 lb	26.3 kg
MiniDrawer I-14	60.7 lb	27.6 kg
MiniDrawer I-18	61.3 lb	27.8 kg
Bin Matrix drawer	36.4 lb	16.5 kg
Bin Matrix drawer with return bin	45 lb	20.45 kg
<b>Accessories</b>		
Large external return bin	11.6 lb	5.3 kg
Small external return bin	3.5 lb	1.6 kg
Internal return bin	4 lb	1.8 kg

## Main cabinet environmental specifications

The following table provides environmental specifications for Pyxis MedStation ES system main cabinets.

Description	Specification
Altitude	3000 m (9843 ft) maximum
Temperature	5–40 degrees C (41–104 degrees F)
Relative humidity	80% max. for temps up to 31degrees C (87.8 degrees F), then decreasing linearly to 50% at 40 degrees C (104 degrees F).
Supply voltage fluctuation	Not to exceed + 10% of nominal voltage.
Transient over voltage category	II
Pollution degree	2 (per International Electrotechnical Commission (IEC) 60950 standard)



## CPU and power specifications

Description	Equipment	Specification
AC power (line voltage)	Main (6, 4, 2, 0)	100–240 V, 50–60 Hz
	Column	100–240 V, 50–60 Hz
Load current (amps)	Main (6, 4, 2, 0)	1 amp NOM, 3 amp MAX
	Column	1 amp NOM, 3 amp MAX
Circuit breakers	All	One for the system
Heat evolved	Main	2-, 4- and 6-drawer main approx. 409 BTU/hr.
	Aux	Add 21 BTU for each auxiliary.
	Column	Add 21 BTU for each auxiliary.
Battery	Main	Five-year life span
Console server	Dell PowerEdge T310 tower server	Power supply: Single cabled power supply (375 W) / optional redundant power supply (400 W)  UPS (uninterruptible power supply): 500 W–2700 W Extended Battery Module (EBM) Network Management Card
	Dell PowerEdge T410 tower server	Power supply: Non redundant, 525 W (80+) Optional redundant, 580 W (80+ GOLD—80 PLUS energy efficiency rating) Auto ranging (100 V~240 V)  UPS: 500 W–2700 W EBM Network Management Card
	Dell PowerEdge R310 rack server	Power supply: One non redundant 350 W power supply Two hot-pluggable redundant 400 W hot-plug power supplies  UPS: 1000 W–5600 W 2700 W–5600 W High Efficiency Online EBM Network Management Card
	Dell PowerEdge R410 rack server	Power supply: Non redundant, 480 W (80+ BRONZE) Optional redundant, 500 W (80+ SILVER) Auto ranging (100 V~240 V)  UPS: 1000 W–5600 W 2700 W–5600 W High Efficiency Online EBM Network Management Card

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Disposal, Sharps, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 039-325 Sharps Container Shield (.125' lead)

Lead lined sharps container shield. Key-locked. For small and medium containers. Lined with .125in lead. Sliding port on top for syringe disposal. Swing handle for transport. (For Monoject containers 039-338 and 039-387)

**Atta ID:** 3722-002

**Alt ID:**

**Mfr #:** 039-325

**Vendor #:** 039-325

**CAD ID:** DIS0003

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> C/C	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 11.75 in (298 mm)	<b>Left:</b> N/A
<b>Depth:</b> 7.50 in (191 mm)	<b>Right:</b> N/A
<b>Height:</b> 10.00 in (254 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 48 lbs (21.8 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per Sarah H email - The notes within the meeting minutes should state 6429-005 to be located on 3490-026. 3722-002 is correct to be located on 3490-008
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	2	per notes-039-325 counter mtd lead lined sharps-near "L" block on top of 017 Per email Sarah H 120314-Hot Lab X112 and Pat. Dose Room X104 each should have 2-Biodex Medical Systems; Disposal, Sharps, Lead Lined; 039-325 Sharps Container Shield (0.125" lead) p 19, ID #3722-002 of 100714 equipment list iteration Per 123114 meeting notes-Move sharps disposals 3722-002 to be counter mounted on 3490-008 Per VA doc Equipment List Corrections-3722-002 ...should be NEW and moved from X112 to X110

Nuclear Medicine	B121	Pat Dose Room	Project	Draft (New)	2	Per email from Sarah H 120314 - Hot Lab [X112] and Pat. Dose Room [X104]; each should have 2 – Biodex Medical Systems; Disposal, Sharps, Lead Lined; 039-325 Sharps Container Shield (0.125" lead) ---- p 19, ID # 3722-002 of 10/07/2014 equipment list iteration
Nuclear Medicine	B120	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	B123	SPECT/CT	Project	Draft (New)	1	
<b>Total:</b>					<b>7</b>	

# SHARPS CONTAINER SHIELDS

*Key-lock design meets OSHA standards*



*Transfer the full Sharps Container to the Decay Module for syringe decay storage.*

**S**harps Container Shields are a simple, safe and convenient way to dispose of used syringes that may contain low-energy gamma radiation residue. The shields are constructed of steel lined with .125" (.32 cm) lead. They feature a top with sliding port and a swing handle that allows easy transport.

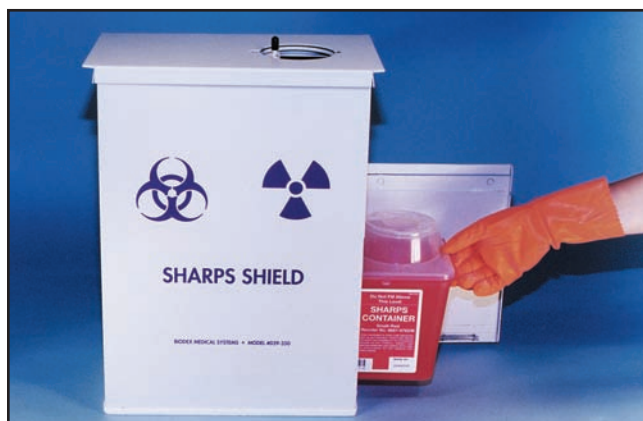
Two models are available for one sharps container:

- Model 039-325 accommodates small and medium Monoject Sharps Containers.
- Model 039-335 accommodates Sharpstainer\* containers.

One model is available for two sharps containers:

- Model 039-350 accommodates two small Monoject Sharps Containers simultaneously for decay rotation.

The sharps containers are stacked inside the shield. When the top container is filled, the bottom decayed container is removed for proper waste disposal. The top container is then shifted to the lower position for decay while a fresh container is placed on top for immediate use. Spring clamps hold containers securely in place.



*Dual Container Sharps Shield houses two containers for decay rotation.*

## SPECIFICATIONS:

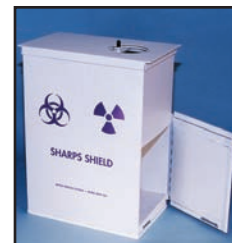
**039-325 Sharps Container Shield**  
Shield uses 039-338 and 039-387 Monoject Sharps containers  
**Dimensions:** 7.5" l x 11.75" w x 10" h (19 x 30 x 25 cm)  
**I.D.:** 7" l x 11.25" w x 9.5" h (18 x 29 x 24 cm)  
**Lead Shielding:** .125" thick (.32 cm)  
**Security:** Key-locked  
**Finish:** Powder coat  
**Weight:** 48 lb (22 kg)



**039-335 Sharps Container Shield**  
Shield uses 039-341 Sharpstainer\* containers  
**Dimensions:** 7.5" l x 12.5" w x 13" h (19 x 32 x 33 cm)  
**I.D.:** 6.875" l x 10.75" w x 12.5" h (17.5 x 27 x 32 cm)  
**Lead Shielding:** .125" thick (.32 cm)  
**Security:** Key-locked  
**Finish:** Powder coat  
**Weight:** 53 lb (24 kg)



**039-350 Sharps Container Shield, Dual**  
Shield uses two 039-338 Monoject Sharps containers  
**Dimensions:** 7.375" l x 12" w x 16.75" h (19 x 30.5 x 42.5 cm)  
**I.D.:** 7" l x 11.5" w x 14.875" h (18 x 29 x 38 cm)  
**Lead Shielding:** .125" thick (.32 cm)  
**Finish:** Powder coat  
**Weight:** 60 lb (27 kg)



## Sharps Container Shields:

- 039-325** Sharps Container Shield, .125" lead  
*For Monoject containers 039-338 and 039-387*
- 039-335** Sharps Container Shield, .125" lead  
*For Sharpstainer\* container 039-341*
- 039-350** Sharps Container Shield, Dual, .125" lead  
*For Monoject containers 039-338*

## Related:

- 039-338** Monoject Container, 4 qt., 10/pkg  
*Fits 039-325, 039-326, 039-350 and 039-330*
- 039-387** Monoject Container, 8 qt., 10/pkg  
*Fits 039-325, 039-326 and 039-330*
- 039-341** Sharpstainer\* Container, 6.2 qt., (#182), 12/pkg  
*Fits 039-335*

*\*Note: Sharpstainer formerly Winfield*

*To order, call Biodesx toll free...*

**1-800-224-6339**

Int'l 631-924-9000 • [www.biodesx.com](http://www.biodesx.com)

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Disposal, Sharps, Lead Lined

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 039-326 High Energy

**Atta ID:** 3722-007

**Alt ID:**

**Mfr #:** 039-326

**Vendor #:** 039-326

**CAD ID:** DIS0067

**Item ID:**

Lead lined sharps container shield for the disposal of used syringes that may be contaminated with high-energy isotopes such as I-131. Lined with 1/2" of lead. Features a hinged top with a sliding prot and side handles. Accommodates both small and medium Monoject sharps container. Key-locked. Powder coat Finish.

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> C/C	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 15.25 in (387 mm)	<b>Left:</b> N/A
<b>Depth:</b> 9.25 in (235 mm)	<b>Right:</b> N/A
<b>Height:</b> 13.50 in (343 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 160 lbs (72.6 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per VA Document Equipment List Corrections - 4. 3722-007 Disposal Sharps Lead Lined 0.5 should be NEW and moved from X110 to X112.
<b>Total:</b>					<b>1</b>	

## HIGH-ENERGY SHARPS CONTAINER SHIELD



**T**his Sharps Container Shield is a simple, safe and convenient solution for disposal of used syringes that may be contaminated with high-energy isotopes such as I-131. The shield is constructed of steel lined with .5" of lead (1.3 cm).

The shield features a hinged top with a sliding port and side handles which allow for easy transport. It will accommodate both small and medium Monoject Sharps containers.

### SPECIFICATIONS:

#### Dimensions:

I.D.: 7" l x 11.38 w x 11.25 h

O.D.: 9.19" l x 15.25" w x 13.31" h

Lead Shielding: .5" thick (1.3 cm)

Security: Key-locked

Finish: Powder coat

Weight: 160 lb (72.3 kg)

**039-326** Sharps Container Shield, .5" lead  
For Monoject Containers 039-338 and 039-387

#### Related:

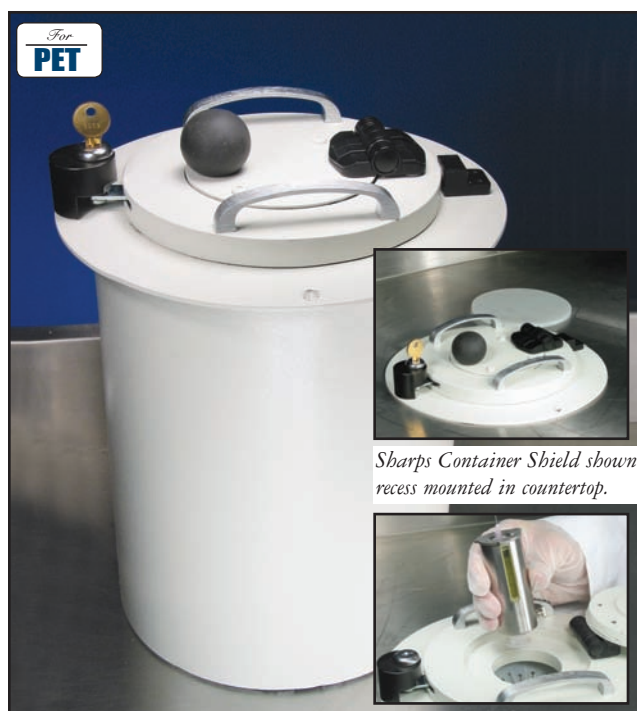
**039-338** Monoject Container, 4 qt., 10/pkg  
Fits 039-325, 039-326, 039-350 and 039-330

**039-387** Monoject Container, 8 qt., 10/pkg  
Fits 039-325, 039-326 and 039-330

## HIGH-ENERGY PET SHARPS CONTAINER SHIELD



*Designed to stand on, or recess into, a countertop*



**T**he Sharps Container Shield for PET is a simple, safe and convenient solution for disposal of syringes that have been contaminated with high-energy radionuclides. The shield is constructed of steel and lined with 1" thick (2.5 cm) lead.

The shield is designed to be used with 039-413 sharps containers. It features a lockable sliding cover for container removal and a hinged top door for syringe disposal.

The shield can stand independently or can be recessed into a cabinet or countertop.

### SPECIFICATIONS:

Dimensions: 12" h x 8.75" dia (30.5 x 22.2 cm)

#### Lead Shielding:

Sides and Bottom: 1" thick (2.5 cm)

Rotating Cover: .875" thick (2.2 cm)

Hinged Door: .625" thick (1.5 cm)

Security: Key-locked

Weight: 175 lb (79.4 kg)

Shipping Weight: 222 lb (100.6 kg)



**039-412** Sharps Container Shield, PET, 1" lead  
Uses one 039-413 Sharps Container

#### Related:

**039-413** Sharps Container, 3.2 qt., 30/pkg  
Fits 039-412

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Disposal, Sharps, Lead Lined

**Manufacturer:** Pinestar Technology, Inc. ((724) 932-2121)

**Vendor:** Pinestar Technology, Inc. ((724) 932-2121)

**Model:** 610-1PH (1' Lead PET)

**Atta ID:** 3722-011

**Alt ID:**

**Mfr #:** 610-1PH

**Vendor #:** 610-1PH

**CAD ID:** DIS0332

**Item ID:**

PET Sharps container shield. Stainless steel lined with 1" lead. Lockable hinge. 3" drop hole with lead cover.

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> C/C	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 10.50 in (267 mm)	<b>Left:</b> N/A
<b>Depth:</b> 6.50 in (165 mm)	<b>Right:</b> N/A
<b>Height:</b> 13.00 in (330 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 195 lbs (88.5 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	2	Per note - need to add cart 5990-037 added Per 020415 meeting notes - Show 3722-011 on mobile carts Per Sarah H email 040115 - locate 3722-011 on 5990-037

**Total:** 2



## **PET Sharps Container Shield**

**Safe and convenient solution for the disposal of syringes that have been contaminated with high energy radionuclides**

- Stainless Steel lined with lead
- 1/2" or 1" lead
- Lockable hinge
- 3" drop hole with lead cover

Dimensions: 10 1/2" W x 6 1/2" D x 13" H with lid

Weight: 1/2" lead: 105 lb

1" lead: 195 lb

**610-5PH**

1/2" lead PET Sharps Container Shield

**610-1PH**

1" lead PET Sharps Container Shield

**610R**

Red Plastic Container, 8 1/2" L x 4" D x 9" H

Qty 1-10

Qty 11-15

Qty 16-31

Qty 32



## **PET Sharps Container Shield**

**Simple, safe and convenient solution for the disposal of syringes that have been contaminated with high-energy radionuclides**

- Constructed of steel and lined with 1" thick lead
- Lockable sliding cover for container removal
- Hinged top door for syringe disposal
- Can stand independently or be recessed into a cabinet or countertop

Dimensions: 12" H x 8.75" Dia

Lead Shielding:

Sides and Bottom: 1" thick  
Rotating Cover: .875" thick  
Hinged Door: .625" thick

Security: Key-locked

Weight: 175 lb

Shipping Weight: 222 lb

**039-412**

PET Sharps Container Shield, 1" lead

**NMC-416**

3.2 quart Container, 12/pkg

**039-413**

3.2 quart Container, 30/pkg



## **Rectangular Lead Container**

**Designed for storage and shipment of radioactive materials**

- 1" lead shielding offers adequate protection for most radioisotopes
- Hinged cover can be locked with a padlock (not included)

Dimensions: I.D.: 6" L x 6" W x 8" H  
O.D.: 8" L x 8" W x 11" H

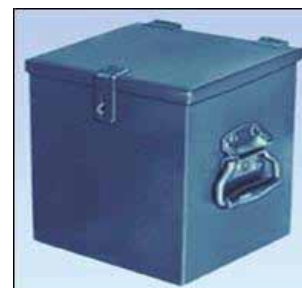
Lead Shielding: 1" thick

Weight: 175 lb

Shipping Weight: 180 lb

**001-001**

Rectangular Container, 1" lead



## VA Columbia MO - Nuclear Medicine Specification Coversheet

**Description:** Disposal, Sharps, Wall Mount  
**Manufacturer:** Unspecified  
**Vendor:** Unspecified  
**Model:** Unspecified

Atta ID: 3723-000

Alt ID:

Mfr #:

Vendor #:

CAD ID: DIS0000

Item ID:

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 1 - Fixed	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 14.50 in (368 mm)	<b>Left:</b> N/A
<b>Depth:</b> 6.50 in (165 mm)	<b>Right:</b> N/A
<b>Height:</b> 17.50 in (445 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 5 lbs (2.3 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Wall	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> N	<b>Pre-approval:</b>
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### Product and Project Item Notes

Specification:Structural:Electrical:Plumbing:Mechanical:

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Existing (Reuse)	Draft (Existing)	1	VA to provide the standard for this item. KM per 123114 meeting notes - 3723-000 is existing

**Total:** 1

## SharpSafety™ In-Room™ Wall Enclosures, Brackets, Glove Boxes & Holders



85301H

### In-Room™ System Wall Enclosures and Glove Boxes

- Sturdy, locked sharps container mounting allows for secure point of use disposal of sharps.
- For convenience, all cabinets are universally keyed.
- Sturdy, durable, long lasting ABS plastic provides a secondary barrier of protection.
- Easily monitored fill level through viewing windows on front and sides.
- Keep gloves readily available with optional glove dispensers.
- Beige, unobtrusive style fits any room decor.



85161H



8555SA

Code	Description	Dimensions	Ship Case
85161H	2 & 5 Quart Wall Enclosure	11.75"H x 5.5"D x 13"W	1
85165H	2 & 5 Quart Wall Enclosure	11.75"H x 5.5"D x 13"W	5
8556H	2 & 5 Quart Wall Enclosure, Glove Dispenser (8550LG) and SharpStar™ Container (8507SA)	24.25"H x 5.5"D x 13"W	1
85301H	2 & 3 Gallon Wall Enclosure	17.5"H x 6.5"D x 14.5"W	1
85401H	4 Gallon SharpStar IV™ Wall Enclosure	26.5"H x 7.25"D x 17.75"W	1
8550B	Glove Dispenser (8550LG) with attached Wall Mounting Bracket (8554B)	7.25"H x 4.5"D x 12.25"W	5
8550LG	Glove Dispenser, Top Loading	6.75"H x 4.5"D x 12"W	10
8554B	Wall Mounting Bracket for 8550LG & 8555SA	8"H x 4.5"D x 12.5"W	5
8555SA	Stackable Multi-Glove Dispenser, Side Loading	8"H x 4.5"D x 12.5"W	10
8516HDL	Replacement Wall Enclosure Door with Window and Lock		1

## Sharps-A-Gator™ Wall Enclosures, Glove Boxes & Holders



31353553

### In-Room™ System Wall Enclosures and Glove Boxes

Code	Description	Dimensions	Ship Case
31353553	5 Quart GatorGuard™ JR. Cabinet	9.75"H x 6.75"D x 13.5"W	1
31307005	2 & 3 Gallon GatorGuard™ Cabinet	16"H x 6.5"D x 14.25"W	1
31320032	Glove Box Dispenser	6.5"H x 4.5"D x 12"W	10
31369955	5 Quart GatorGuard™ JR. Table Top Holder	2.25"H x 7.25"D x 14.5"W	1
31139762	Single Glove Box Holder	5"H x 4"D x 3.5"W	20



31369955

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Electrocardiograph (ECG), Interpretive

**Manufacturer:** GE Healthcare - Cardiology (800.814.9389)

**Vendor:** GE Healthcare - Cardiology (800.814.9389)

**Model:** MAC 5500 w/Cart

Interpretive ECG for high volume environments. Ethernet and wireless networking option, single button operation for printing, storage and transmission, bar code scanner, 12SL ECG analysis program with gender-specific software, 15-lead ECG analysis.

**Atta ID:** 3768-030

**Alt ID:**

**Mfr #:** 2053900-014/Cart

**Vendor #:** 2053900-014/Cart

**CAD ID:** ECG0026

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Physical Requirements

<b>Width:</b> 21.00 in (533 mm)	<b>Left:</b> N/A
<b>Depth:</b> 28.00 in (711 mm)	<b>Right:</b> N/A
<b>Height:</b> 43.00 in (1092 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 70 lbs (31.8 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor-Mobile	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Electrical Requirements

<b>Volts:</b> 115	<b>Watts:</b> 58
<b>Hz:</b> 60	<b>Amps:</b> <1
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> Yes	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	
					<b>Total:</b>	<b>1</b>

# MAC 5500

## Resting ECG analysis system

Built on GE's proven innovation in ECG acquisition and analysis, the MAC® 5500 is GE's premier ECG system, delivering advanced disease management capabilities through its industry-leading collection of standards-setting algorithms and advanced networking.

The MAC 5500 system offers the sophistication required for advanced ECG applications, while its ease of use extends this level of performance to the broadest range of users possible. And, it's part of the complete GE suite of networked, non-invasive testing solutions designed to maximize patient throughput and department productivity.

- Advanced algorithms set the standard in ECG analysis and interpretation.
- Easy-to-use applications and features streamline productivity and workflow.
- Seamless connectivity to the MUSE® cardiology information system speeds data storage and ECG retrieval.
- Comprehensive training helps maximize your return on investment.



## Setting the mark for clinical validity and excellence in ECG analysis.

GE Healthcare has steadily expanded its electrocardiograph-based suite of ECG analysis programs and capabilities through diligent research and development.

- **Regular clinical input from the world's top consulting cardiologists and physicians** helps our own research and development engineers enhance our programs.
- **Ongoing acquisition of clinically correlated, "gold-standard" databases** allow us to continually evaluate and verify our algorithm performance. Use of the same patient assessment tests employed by practicing physicians ensures clinically accurate values.
- **Rapid assessments and improvements on very large databases**, using sophisticated analysis techniques developed by our own engineers, enable us to quickly evaluate the accuracy of our ECG analysis programs.

## The most complete suite of analysis algorithms for advanced ECG applications.

Our Marquette® ECG analysis programs are the preferred choice in a variety of care settings and industries, including hospitals, clinics, physician offices and clinical research organizations (CROs).

- **Marquette 12SL™ ECG analysis program for adults and pediatrics** – the industry's most thoroughly documented, simultaneous 12-lead ECG acquisition analysis program for uncompromising quality and reliability – remains your most clinically valuable second opinion.
- **Marquette Hookup Advisor™ signal quality analysis program** makes our world-renowned ECG analysis program even better. This new software reviews and measures ECG waveforms for signs of artifact and interference, helping to eliminate poor waveform quality during the recording of ECGs.
- **Marquette 12SL with Gender-Specific interpretation** features criteria that help you more easily detect acute myocardial infarction (MI) in female patients, enhancing diagnostic confidence even among occasional readers of ECGs.
- **Marquette 12SL with ACI-TIPI (Acute Cardiac Ischemia Time-Insensitive Predictive Instrument)** considers a patient's age, gender, and chief complaint, as well as ECG measurements, to generate a numerical score that helps predict the probability of acute cardiac ischemia. This optional program provides important additional triage information for patients with chest pain.
- **Simultaneous 15-lead acquisition, storage, and assessment** provides additional ST measurements for the detection of changes that occur in some non-diagnostic 12-lead cases to facilitate the prompt detection of right ventricular and posterior MI.
- **P-Wave Signal Averaging** option for atrial arrhythmia assessment features a patented templating algorithm that enhances P-wave measurement accuracy.
- **Hi-Res Late Potential Analysis** option supports effective ventricular arrhythmia assessment, with an intuitive design that creates a practical, non-invasive alternative to involved invasive testing.
- **Enhanced Pacemaker-Detection Software** improves sensitivity to electronically paced hearts.
- **Serial ECG Comparisons**, through the MUSE cardiology information system, leverages the Marquette 12SL ECG analysis program and analyzes both short- and long-term changes in patients' ECGs.

## Taking ECG workflow to the next level.

Full connectivity allows you to tap into the power of GE's MUSE cardiology information system – the industry's predominant cardiology management system – for streamlined workflow and higher functionality. Networked access delivers improved efficiency and decision support.

- Optional Ethernet and MobileLink™ wireless capabilities permit bi-directional communication with the MUSE system so you can quickly retrieve, manage, and archive patient data – and reduce the potential for errors. Also helps meet ACC/AHA guidelines for time-to-cardiologist overread and time-to-treatment goals.
- Instantly access procedure requests and download patient demographic data from the Hospital Information System through the MUSE system. This functionality reduces time-consuming patient data entry and minimizes delays in procedure billing.
- Access the computer ECG patient records immediately, any time of day or night, using the Remote Query option for more responsive patient care.
- Access ECG records from the clinic, office, or other remote facility using a standard modem for maximum decision-making efficiency.
- Secure digital memory card facilitates external archive capabilities.
- Export and archive data in XML format for flexible, open communications.
- Barcoding option assists you in fulfilling JCAHO goals for patient identification and safety.

## Innovative features streamline workflow and expand your capabilities.

Specifically designed to enhance your entire staff's efficiency, the MAC 5500 system combines technological advances with ease-of-use features in one system.

- Digital CAM-14 module reduces noise and artifact for clearer ECG tracings.
- Large field-of-view display provides a clear view of the screen from any angle.
- Analog ECG output facilitates easy integration with other cardiac-diagnostic devices, such as echocardiography and nuclear medicine systems.
- Extensive customization – including display and final-report formatting – accommodates individual user preferences.
- Stress option incorporates leading exercise-testing technologies. Signal-acquisition advances help reduce baseline wander and ST-segment distortion to generate clearer, more defined ECGs.
- Barcode and magnetic card reader options help reduce errors by automating the input of patient data.
- Security protocols and user-configurable password protection provides security to assist you in addressing HIPAA requirements.
- Trolley design features a convenient holder for the acquisition module, ample writing surface area, wide bins, and a covered storage compartment.
- Compact system design offers easy mobility.

## Comprehensive training further enhances your investment.

- CEU credits support your professional career.
- Just-in-time learning is delivered via training when and where you need it.
- Your entire staff receives the same level of high-quality training to ensure consistency.



## MAC 5500 Resting ECG System

Instrument Type:	
Microprocessor augmented automatic electrocardiograph; 14-leadwire acquisition with programmable lead configuration	
Processing	
ECG Interpretation:	Marquette 12SL ECG Analysis Program for Adults and Pediatrics
Computerized Measurements:	15-lead analysis includes measurements of user-selectable additional 3 leads
Optional:	Hi-Res Late Potential Analysis and P-Wave Signal – Averaged ECG
Additional ECG Function:	Vectorcardiography
ECG Analysis Frequency:	500 samples/second (sps)
ECG Storage:	200 ECGs in internal memory
External Archiving:	Secure Digital card
Digital Sampling Rate:	4,000 samples/second/channel
Pre-Acquisition:	Provides 10 seconds of instantaneous ECG acquisition
Dynamic Range:	AC Differential $\pm 5$ mV, DC offset $\pm 320$ mV
Resolution:	4.88 $\mu$ V/LSB @ 250 sps, 4.88 $\mu$ V/LSB @ 500 sps
Frequency Response:	-3 dB @ 0.01 to 150 Hz
Common Mode Rejection:	>140 dB (123 dB with AC filter disabled)
Input Impedance:	>10M $\Omega$ @ 10 Hz, defibrillator protected
Patient Leakage:	<10 $\mu$ A
Pace Detect:	Orthogonal LA, LL, and V6; 750 $\mu$ V @ 50 $\mu$ s
Special Acquisition Functions:	Disconnected lead detection, electrode impedance, excessive, AC noise, baseline wander and muscle tremor messages
Heart Rate Meter:	30 to 300 BPM $\pm 10\%$ or 5 BPM, whichever is greater. Heart rates outside this range will not be displayed.

Communications	
MUSE Cardiology Information System compatible	
Infra-Red	
Serial Cable	
Internal modem/fax	
Optional:	Remote Retrieval (Remote Query), Wireless (requires additional MUSE software and installation):
	- MobileLink (using WEP security protocols and, in some countries, Cisco LEAP authentication/security)
	- Ultra-High Security MobileLink (Air Fortress security protocol)
	LAN (requires additional MUSE communications software and installation)
	- Communication with MUSE over LAN thru internal RJ-45 jack
Display	
Display Type:	10.4 in (264 mm) diagonal graphics backlit AM LCD (color optional)
Display Resolution:	640 x 480 pixels with waveform enhancement
Display Data:	Heart rate, patient name, ID, clock, waveforms, lead labels, speed, gain and filter settings, warning messages, prompts, and help messages

Writer	
Writer Technology:	Thermal dot array
Writer Speeds:	5, 12.5, 25, & 50 mm/s (same as displayed)
Number of Traces:	3, 6, 12, or 15, user selectable (same as displayed)
Writer Sensitivity/Gain:	2.5, 5, 10, 20, 10/5 (split calibration) mm/mV (same as displayed)
Writer Speed Accuracy:	±2%
Writer Amplitude Accuracy:	±5%
Writer Resolution:	Horizontal 1000 dpi @ 25 mm/s, 200 dpi vertical
Paper Type:	Thermal, Z-fold, perforated, fan fold, 300 sheets/pack
Paper Size:	A Size: 8.45 in x 11 in, (214.63 mm x 280 mm) A4 Size: 8.27 in x 11.7 in (210 mm x 297.5 mm)
Keyboard	
Type:	Sealed elastomer with soft function keys, alphanumeric keys, writer controls, and TrimPad cursor controls
Electrical	
Power Supply:	AC or battery operation
Voltage:	100 to 240 VAC +10, -15%
Current:	0.5A @ 115 VAC, 0.3A @ 240 VAC, typical
Frequency:	50 to 60 Hz ±10%
Battery Type:	User replaceable, 18V @ 3.5 AH ±10% rechargeable NiMH
Battery Capacity:	100 single page reports, (typical) or 6 hours continuous display (without printing)
Battery Charge Time:	Approximately 4.5 hours from total discharge (with display off)

Vectorcardiography	
Report Formats:	Vector loops of component vectors (P, QRS, ST-T)
Sensitivity:	20, 40, 80, or 160 mm/mV
Time Resolution:	2 ms
Hi-Res Late Potential Analysis and P-Wave Signal-Averaged ECG	
Frequency Response/Input :	-3 dB @ 0.01 and 250 Hz
Frequency Response/Output:	Upper Limit: 250 Hz Lower Limit: 0.01, 25, 40, or 80 Hz
Sensitivities:	
Raw Data Template:	20 mm/mV
Average Beat:	20 mm/mV and 50 mm/mV
Filtered Signals and Vector Magnitude:	1 mm/μV
Analysis Sampling Rate:	1,000 samples/second/channel
Digital Sampling Rate:	4,000 samples/second/channel
High/Low Pass Filters:	Special filter using Fast Fourier Transform (FFT)
ADC Resolution:	1.22 μV/LSB
Analysis Resolution:	0.1525 μV/LSB

## MAC 5500 Resting ECG System

Physical Specifications	
Height:	3.7 in (9.4 cm)* with display closed
Width:	15 in (38.1 cm)*
Depth:	13.8 in (35.1 cm)*
Weight:	Approximately 6.8 kg (15 lbs)* including battery without paper
Environmental Specifications	
Temperature:	
Operating:	50° to 104° F (10° to 40° C)
Transport/Storage:	-40° to 158° F (-40° to 70° C)
Humidity:	
Operating:	20% to 95% RH non-condensing
Transport/Storage:	15% to 95% RH non-condensing
Pressure:	
Operating:	700 to 1060 hPA
Transport/Storage:	500 to 1060 hPA
Trolley Specifications	
Dimensions:	
Height:	39 in (99 cm)
Width:	21 in (54 cm)
Depth:	28 in (72 cm)
Height with acquisition module holder	52.5 in (134 cm)
Weight:	55 lbs. (25 kg)

\* without cart

Magnetic Card Reader Specifications	
Character Set	ANSI/ISO ALPHA alphanumeric characters and ANSI/ISO BCD (subset of ASCII (ISO 646 IRV:1991))
Dimensions:	
Height:	1.17 in (28 mm)
Length:	3.94 in (100 mm)
Width:	1.34 in (34 mm)
Temperature Range	50° F to 104° F (10° C to 40° C)
Operating:	
Humidity:	10% to 90% humidity
Agency Conformance:	Complies with FCC Class A.
CE:	The system has been tested to and conforms with the provisions within 89/336/EEC, Electromagnetic Compatibility directive (EMC)

Barcode Scanner Specifications	
Symbologies	Code 39 (extended), PDF-417, Code 128
<b>Dimensions:</b>	
Height	6.0 inches (15.2 cm)
Length	5.3 inches (13.5 cm)
Width	3.1 inches (7.9 cm)
Light Source	630 nm visible red LED
<b>Temperature Ranges:</b>	
Operating	32° F to +122° F (0° C to 50° C)
Storage	-4° F to +140° F (-20° C to +60° C)
Humidity	0 to 95% non-condensing
Mechanical	Operational after 25 drops from 5 feet (1.53m) to concrete
Vibration	Withstands 5G peak from 20 to 300 Hz
ESD Sensitivity	15 kV to any external surface
Agency Compliance	FCC Class B, EMC Class B, CE Low Voltage Directive, EN60825-1, IEC60825-1, LED Safety: Class 1, UL, cUL, TÜV Certified to N60950, C-Tic

## Certification

UL classification, CSA classification, CE marking, CB certificate

## Warranty

Standard warranty is one year

## Ordering Information

Available in: Simplified Chinese, Czech, Danish, Dutch, English, French, German, Hungarian, Italian, Japanese, Norwegian, Polish, Spanish and Swedish.

Visit [gehealthcare.com](http://gehealthcare.com) or contact your local GE Healthcare Information Technologies representative.

Accessories available from [www.gehealthcare.com](http://www.gehealthcare.com)

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Flowmeter, Oxygen

**Manufacturer:** Allied Healthcare Products - Timeter ((314) 771-2400)

**Vendor:** Allied Healthcare Products - Timeter ((314) 771-2400)

**Model:** Soft-Touch 15004-03

Oxygen flowmeter. 15 LPM, Ohmeda male back fitting, DISS male bottom outlet. Calibrated for 50 psi sources.

**Atta ID:** 3803-031

**Alt ID:**

**Mfr #:** 15004-03

**Vendor #:** 15004-03

**CAD ID:** FLW0027

**Item ID:**

#### General Product Detail

**Arch Sig:** No

**Spatially Sig:** No

**Arch Code:** 3 - Movable, Non-Elect

**ADA:** No

**Custom Code:** Unassigned

**Antimicrobial:** No

**Furnish Install:** O/O

**Type:** Medical

**Green:** No

#### Electrical Requirements

**Volts:** N/A

**Watts:** N/A

**Hz:** N/A

**Amps:** N/A

**Phase:** N/A

**BTU/hr:** N/A

**KVA:** N/A

**Ded. Circuit:** No

**Emer. Power:** No

**Plug Type:** N/A

#### Physical Requirements

**Width:** 1.25 in (32 mm)

**Left:** N/A

**Depth:** 2.75 in (70 mm)

**Right:** N/A

**Height:** 7.00 in (178 mm)

**Front:** N/A

**Max Weight:** 1 lbs (0.5 kg)

**Back:** N/A

**Mounting:** Wall

**Top:** N/A

**Bottom:** N/A

#### Utility and Technology Requirements

**Water - Cold:** No

**Gasses:** Yes

**Water - Hot:** No

**Drain:** No

**Water - Treated:** No

**Steam:** No

**Vent:** No

**Vacuum - Dental:** No

**Tech Connect:** No

**Vacuum - Medical:** No

#### Structural Requirements

**Seismic:** No

**Pre-approval:**

#### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

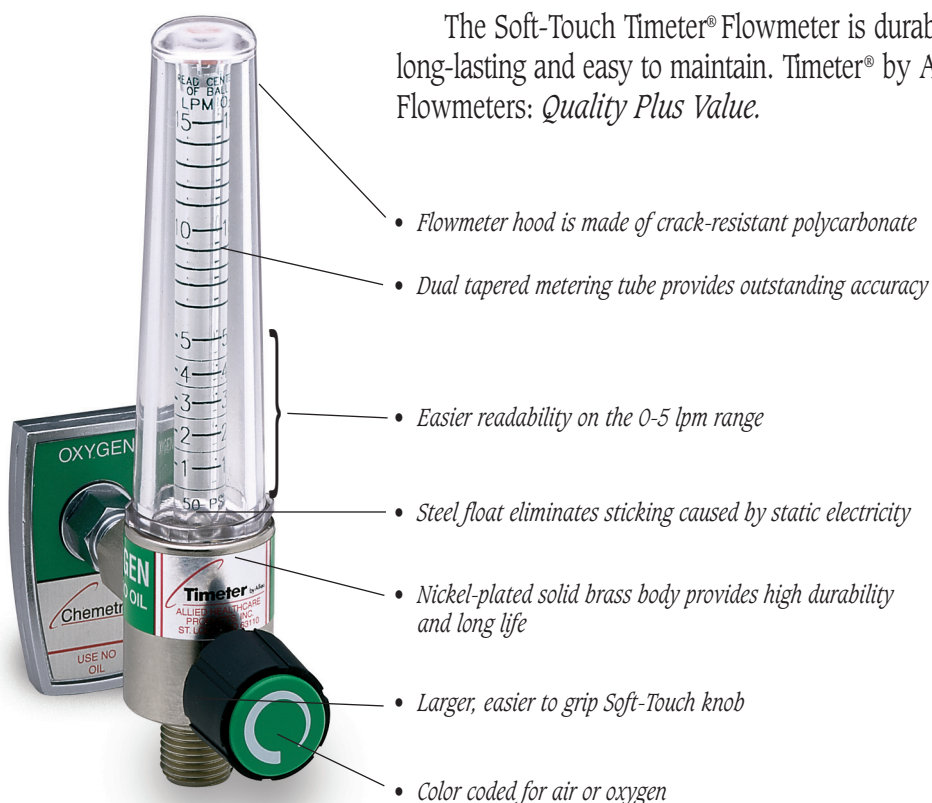
**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	Per notes - next to suction
Nuclear Medicine	B121	Pat Dose Room	Project	Draft (New)	2	
Nuclear Medicine	B129	PET/CT	Project	Draft (New)	1	
Nuclear Medicine	B120	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	B123	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	A156B	Treadmill	Project	Draft (New)	1	

**Total:** 7

# The Soft-Touch Timer® Flowmeter



## Canadian ISO Flowmeters:

To order, change the third digit from 0 to 4.  
Example: 15001-03 in Canadian ISO style will be 15401-03.

## International ISO Flowmeters:

4-bar (58 psi) ISO style flowmeters are also available. Contact Allied's International Customer Service Department for assistance in ordering.

## Soft-Touch Single Oxygen Flowmeter Ordering Information

				
	15 LPM FLOWMETER	8 LPM FLOWMETER	15 LPM FLOWMETER WITH 1 POWER TAKE OFF	8 LPM FLOWMETER WITH 1 POWER TAKE OFF
3/4" FITTING 1/8" x 1/8"	15001-03	08001-03	15001-03P	08001-03P
CHEMETRON® MALE	15002-03	08002-03	15002-03P	08002-03P
OXEQUIP® MALE	15003-03	08003-03	15003-03P	08003-03P
OHMEDA MALE	15004-03	08004-03	15004-03P	08004-03P
MED STAR® MALE	15005-03	08005-03	15005-03P	08005-03P
PURITAN-BENNETT MALE	15006-03	08006-03	15006-03P	08006-03P
SCHRADER MALE	15007-03	08007-03	15007-03P	08007-03P
DISS FEMALE HANDTIGHT	15008-03	08008-03	15008-03P	08008-03P
DISS FEMALE HEX	15009-03	08009-03	15009-03P	08009-03P
DISS MALE	15010-03	08010-03	15010-03P	08010-03P

All bottom outlets are DISS male oxygen. Flowmeters listed above are calibrated for 50 psi sources.

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Flowmeter, Air

**Manufacturer:** Allied Healthcare Products - Timeter ((314) 771-2400)

**Vendor:** Allied Healthcare Products - Timeter ((314) 771-2400)

**Model:** Soft-Touch 15004-13

Air flowmeter. Features 15 LPM, Ohmeda male back fitting, DISS male bottom outlet. Calibrated for 50 psi sources.

**Atta ID:** 3806-020

**Alt ID:**

**Mfr #:** 15004-13

**Vendor #:** 15004-13

**CAD ID:** FLW0129

**Item ID:**

#### General Product Detail

**Arch Sig:** No

**Spatially Sig:** No

**Arch Code:** 3 - Movable, Non-Elect

**ADA:** No

**Custom Code:** Unassigned

**Antimicrobial:** No

**Furnish Install:** O/O

**Type:** Medical

**Green:** No

#### Physical Requirements

**Width:** 1.25 in (32 mm)

**Left:** N/A

**Depth:** 2.75 in (70 mm)

**Right:** N/A

**Height:** 7.00 in (178 mm)

**Front:** N/A

**Max Weight:** 1 lbs (0.5 kg)

**Back:** N/A

**Mounting:** Wall

**Top:** N/A

**Bottom:** N/A

#### Electrical Requirements

**Volts:** N/A

**Watts:** N/A

**Hz:** N/A

**Amps:** N/A

**Phase:** N/A

**BTU/hr:** N/A

**KVA:** N/A

**Ded. Circuit:** No

**Emer. Power:** No

**Plug Type:** N/A

#### Utility and Technology Requirements

**Water - Cold:** No

**Gasses:** Yes

**Water - Hot:** No

**Drain:** No

**Water - Treated:** No

**Steam:** No

**Vent:** No

**Vacuum - Dental:** No

**Tech Connect:** No

**Vacuum - Medical:** No

#### Structural Requirements

**Seismic:** No

**Pre-approval:**

#### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	
Nuclear Medicine	B121	Pat Dose Room	Project	Draft (New)	2	
Nuclear Medicine	B129	PET/CT	Project	Draft (New)	1	
Nuclear Medicine	B120	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	B123	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	A156B	Treadmill	Project	Draft (New)	1	

**Total:** 7





## Soft-Touch Dual Oxygen Flowmeter Ordering Information

BACK FITTING	15 LPM DUAL FLOWMETER w/Y BAR	15 LPM DUAL FLOWMETER w/T BAR	15 LPM DUAL FLOWMETER w/T BAR & 1 POWER TAKE OFF	15 LPM DUAL FLOWMETER w/Y BAR & 1 POWER TAKE OFF	15 LPM DUAL FLOWMETER w/T BAR & 2 POWER TAKE OFF	15 LPM DUAL FLOWMETER w/Y BAR & 2 POWER TAKE OFF
3/4" FITTING 1/8" x 1/8"	15001-03Y	15001-03T	15001-03TP1	15001-03YP1	15001-03TP2	15001-03YP2
CHEMETRON® MALE	15002-03Y	15002-03T	15002-03TP1	15002-03YP1	15002-03TP2	15002-03YP2
OXEQUIP® MALE	15003-03Y		15003-03TP1	15003-03YP1	15003-03TP2	15003-03YP2
OHMEDA MALE	15004-03Y	15004-03T	15004-03TP1	15004-03YP1	15004-03TP2	15004-03YP2
MED STAR® MALE	15005-03Y	15005-03T	15005-03TP1	15005-03YP1	15005-03TP2	15005-03YP2
PURITAN-BENNETT MALE	15006-03Y	15006-03T	15006-03TP1	15006-03YP1	15006-03TP2	15006-03YP2
SCHRADER MALE	15007-03Y		15007-03TP1	15007-03YP1	15007-03TP2	15007-03YP2
DISS FEMALE HANDTIGHT	15008-03Y	15008-03T	15008-03TP1	15008-03YP1	15008-03TP2	15008-03YP2
DISS FEMALE HEX	15009-03Y	15009-03T	15009-03TP1	15009-03YP1	15009-03TP2	15009-03YP2
DISS MALE	15010-03Y	15010-03T	15010-03TP1	15010-03YP1	15010-03TP2	15010-03YP2

All bottom outlets are DISS male oxygen.

Flowmeters listed above are calibrated for 50 psi sources.



## Soft-Touch Air Flowmeter Ordering Information

BACK FITTING	15 LPM FLOWMETER	15 LPM FLOWMETER WITH 1 POWER TAKE OFF	15 LPM DUAL FLOWMETER WITH Y BAR	15 LPM DUAL FLOWMETER w/Y BAR & 2 POWER TAKE OFF
3/4" FITTING 1/8" x 1/8"	15001-13	15001-13P	15001-13Y	15001-13YP2
CHEMETRON® MALE	15002-13	15002-13P	15002-13Y	15002-13YP2
OXEQUIP® MALE	15003-13	15003-13P	15003-13Y	15003-13YP2
OHMEDA MALE	15004-13	15004-13P	15004-13Y	15004-13YP2
MED STAR® MALE	15005-13	15005-13P	15005-13Y	15005-13YP2
PURITAN-BENNETT MALE	15006-13	15006-13P	15006-13Y	15006-13YP2
SCHRADER MALE	15007-13	15007-13P	15007-13Y	15007-13YP2
DISS FEMALE HANDTIGHT	15008-13	15008-13P	15008-13Y	15008-13YP2
DISS FEMALE HEX	15009-13	15009-13P	15009-13Y	15009-13YP2
DISS MALE	15010-13	15010-13P	15010-13Y	15010-13YP2

All bottom outlets are DISS male oxygen. Flowmeters listed above are calibrated for 50 psi sources.

## Warranty Statement

Soft-Touch Timeter flowmeters are warranted under normal use against any manufacturing defects from the date Allied ships for a period of five years for any failure resulting from defective parts or faulty workmanship.

*Additional models are available.  
For information about our complete line of flowmeters,  
contact an Allied Healthcare Customer Service Representative*

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Hamper, Linen

**Manufacturer:** Blickman Inc. ((800) 338-2372)

**Vendor:** Claflin Medical Equipment ((800) 338-2372)

**Model:** 7774SS-LF Porter

Round, stainless steel hamper with foot-operated stainless-steel lid. 18-5/8" diameter top ring, constructed from 1" stainless-steel tubing, solid steel bag rest supports hamper bags. Four 2" hard rubber casters.

**Atta ID:** 3836-069

**Alt ID:**

**Mfr #:** 092777420P

**Vendor #:** 092777420P

**CAD ID:** HAM0061

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 19.75 in (502 mm)	<b>Left:</b> N/A
<b>Depth:</b> 19.75 in (502 mm)	<b>Right:</b> N/A
<b>Height:</b> 36.00 in (914 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 25 lbs (11.3 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor-Mobile	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Existing (Reuse)	Draft (Existing)	1	Per notes - add linen cart (existing) in upper LH cornerPer VA document Equipment List Corrections - 22. 3836-069 Hamper Linen should be EXISTING in rooms X110, X107, X115, and X113. Hamper added to room X107, X115 & X113
Nuclear Medicine	B129	PET/CT	Existing (Reuse)	Draft (Existing)	1	Per VA document Equipment List Corrections - 22. 3836-069 Hamper Linen should be EXISTING in rooms X110, X107, X115, and X113. Hamper added to room X107, X115 & X113
Nuclear Medicine	B120	SPECT/CT	Existing (Reuse)	Draft (Existing)	1	Per VA document Equipment List Corrections - 22. 3836-069 Hamper Linen should be EXISTING in rooms X110, X107, X115, and X113. Hamper added to room X107, X115 & X113

Nuclear Medicine	B123	SPECT/CT	Existing (Reuse)	Draft (Existing)	1	Per VA document Equipment List Corrections - 22. 3836-069 Hamper Linen should be EXISTING in rooms X110, X107, X115, and X113. Hamper added to room X107, X115 & X113
					<b>Total:</b>	<b>4</b>

## STAINLESS STEEL HAMPERS/RECEPTACLES



7774SS-(18'') & 8773SS-(26'')



7774SS-LF-(20'') & 8773SS-LF-(28'')

**MODELS 8773 HAMPERS** have round, tubular rings that are seamlessly welded to three legs. A solid, round platform at the bottom acts as a brace and protects the hamper bag from the floor. MODEL 8773SS-LF is foot operated and comes standard with a stainless steel lid with pin-drop, pneumatic top for quiet operation and is also foot-operated.

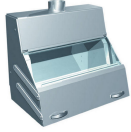
**MODELS 7774SS ROUND HAMPER** offers an 18-5/8" diameter ring, constructed from 1" stainless-steel tubing. Solid steel bag-rest supports hamper bags. MODEL 7774SS-LF TILT-TOP FOOT-OPERATED HAMPER is spring-activated for easy opening and closing, and offers an attractive, 20"-diameter, stainless-steel lid with pin-drop, pneumatic top for quiet operation. Non-slip pedal allows for hands-free operation. Solid steel bag rest supports hamper bags. Both hampers travel easily on 2" hard rubber casters.

Model No.	Part No.	Lid	Dimensions (overall)		Ship Wt. (lb) est.
8773SS	0928773000	none	26"D	35"H	20
8773SS-LF	092877320P	stainless-steel; foot-op	28"D	36.5"H	35
7774SS	0927774000	none	18-5/8"D	35"H	11
7774SS-LF	092777420P	stainless-steel; foot-op	19-5/8"D	36"H	25

### OPTIONAL HAMPER BAGS:

Model No.	Part No.	Description
HB18	9839777201	18" Diameter Bags
HB24	9839777302	26" Diameter Bags

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Hood, Radioisotope, Benchtop

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 244-007 Preparation Enclosure

**Atta ID:** 3857-003

**Alt ID:**

**Mfr #:** 244-007

**Vendor #:** 244-007

**CAD ID:** HOD0038

**Item ID:**

Lead-Lined fume hood. Features Lead glass window 34.5" w x 11.8" h x .75" thick. 110V Halogen lamp with two 25 watt bulbs. Designed for working with gaseous radioactive materials. Lead Shielding .25" thick. Adjustable shield 12" w x 10" h x .5" thick. Swing down shield covers the ports when not in use. Built-in electrical outlets. Blower and filter not included. # 3 brushed, stainless steel finish.

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 1 - Fixed	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> 110	<b>Watts:</b> 20
<b>Hz:</b> 60	<b>Amps:</b> 0.18
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

### Physical Requirements

<b>Width:</b> 36.00 in (914 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.75 in (654 mm)	<b>Right:</b> N/A
<b>Height:</b> 34.00 in (864 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 733 lbs (332.5 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> Yes	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Blower and filter not included

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Existing (Reuse)	Draft (Existing)	1	Per notes - the hood needs to be vented to the overhead Per Sarah H email 040115 - the hood [3857-003] should be listed as existing

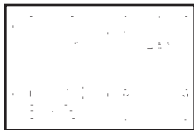
**Total:** 1

# LEAD-LINED PREPARATION ENCLOSURE BASE CABINET



*Built to support the Preparation Enclosure*

**T**his Cabinet is designed to support the Lead-Lined Preparation Enclosure. Full height, overlapping double doors with key locks open to an adjustable shelf with a 100 lb capacity. The cabinet may be used for decay and storage.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

## SPECIFICATIONS:

**Dimensions:** 36.5" w x 24" depth x 36.5" h (92.7 x 61 x 92.7 cm)

**Lead Shielding:** .25" (.64 cm), .5" (1.3 cm) or 1" (2.5 cm) thick on all six sides

**Shelf Dimensions:** 30" w x 18" depth (76.2 x 45.72 cm), 100 lb (45.4 kg) capacity, adjustable height

**Doors:** Key-locked

**Countertop:** Stainless steel with 4" (10.2 cm) backsplash and .5" (1.3 cm) spillproof lip

**Finish:** Powder coat

## Weight:

244-190: 1063 lb (483.2 kg)

244-191: 1540 lb (699 kg)

244-192: 2433 lb (1104 kg)

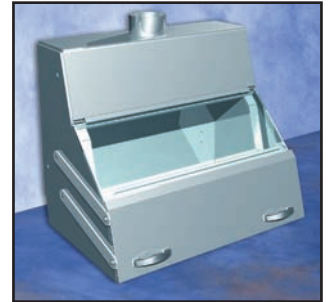
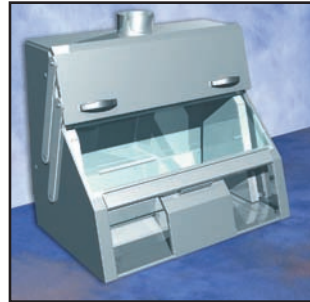
**244-190** Cabinet, Preparation Enclosure Base, .25" lead

**244-191** Cabinet, Preparation Enclosure Base, .5" lead

**244-192** Cabinet, Preparation Enclosure Base, 1" lead

# LEAD-LINED PREPARATION ENCLOSURE

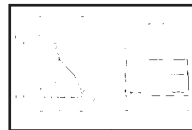
*Connects to external ductwork*



*Adjustable 12" shield can fold forward to load large objects. The hood can also be completely closed and used for storage. Preparation Enclosure features built-in electrical outlets.*

**T**he Lead-Lined Preparation Enclosure is designed for applications that require handling gaseous radioactive materials. The interior provides ample floor space. A large lead glass window and halogen light allow safe and unobstructed viewing. The enclosure opening has an adjustable shield that creates access ports. A swing down shield covers the ports when not in use.

Gaseous materials are directed by a baffle (eliminating dead space) through a stainless steel chimney. The chimney is connected to external blowers (not supplied) and ductwork (not supplied). The blowers create a negative pressure preventing gas leaks.



*Cabinet drawing dimensions can be accessed at [www.biodex.com](http://www.biodex.com)*

## SPECIFICATIONS:

**Dimensions:** 36" w x 24" depth x 30.5" h (91.4 x 61 x 77.5 cm)

**Interior Floor Space:** 31" w x 19" depth (78.7 x 48.3 cm)

**Lead Shielding:** .25" thick (.64 cm)

**Adjustable Shield:** 12" w x 10" h x .5" thick (30.5 x 25.4 x 1.3 cm)

**Exhaust:** 6" dia (15.2 cm) chimney, fixed upper and adjustable lower baffles. Blower and filter not included

**Lighting:** 110V Halogen lamp with two 25 watt bulbs, UL listed; 220V available upon request.

## Lead Glass Window:

**Dimensions:** 34.5" w x 11.8" h x .75" thick (87.6 x 30 x 1.9 cm)

**Density:** 5.05 g/cm<sup>3</sup>

**Finish:** # 3 brushed, stainless steel

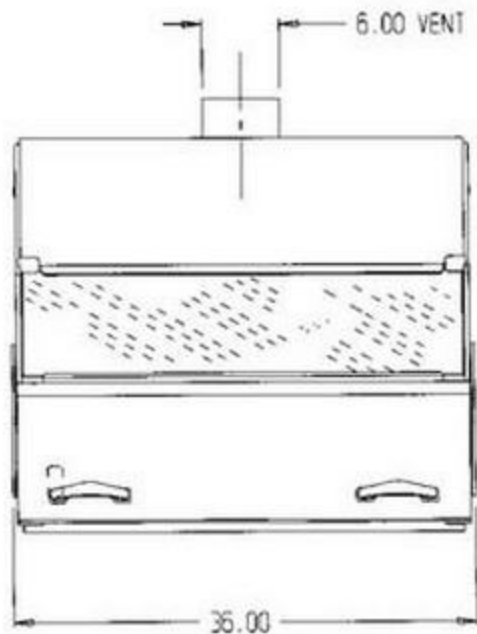
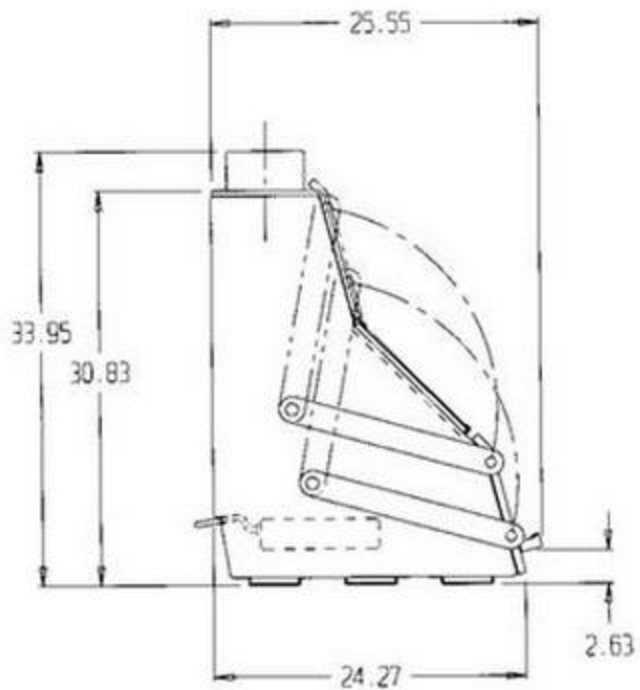
**Weight:** 733 lb (332 kg)

**244-007** Preparation Enclosure, .25" lead

*To order, call Biodex toll free...*

**1-800-224-6339**

Int'l 631-924-9000 • [www.biodex.com](http://www.biodex.com)



PREP ENCLOSURE  
244-007



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Lift, Patient, Ceiling, 1-Bed

**Manufacturer:** Guldman Inc. ((707) 523-4900)

**Vendor:** Guldman Inc. ((707) 523-4900)

**Model:** GH2 (440 lb.)

**Atta ID:** 3945-021

**Alt ID:**

**Mfr #:** 120001

**Vendor #:** 120001

**CAD ID:** LFT0057

**Item ID:**

Ceiling mounted patient lift. 440 lb. capacity. Battery powered lift motor hangs directly under the rails and lifts the user with the help of a lifting hanger to which the sling is attached.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 1 - Fixed	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

#### Physical Requirements

<b>Width:</b> 24.00 in (610 mm)	<b>Left:</b> N/A
<b>Depth:</b> 8.00 in (203 mm)	<b>Right:</b> N/A
<b>Height:</b> 17.50 in (445 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 440 lbs (199.6 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Ceiling	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> 240
<b>Hz:</b> 60	<b>Amps:</b> 2
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

##### Specification:

440 lb. is max patient weight capacity. Motor unit weighs 18 lbs.

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	Per VA document Equipment List Corrections - 5. 3945-021 Lift Patient Ceiling should be EXISTING in rooms X107, X113, and X115. It should be NEW in room X110.
Nuclear Medicine	B129	PET/CT	Existing (Reuse)	Draft (Existing)	1	Per note - there will be ceiling lifts moved from existing space 123114 mtg - client specified Guldman Lift, 010815 - request to client to provide model01/19/15 - amended meeting minutes included model from user
Nuclear Medicine	B120	SPECT/CT	Existing (Reuse)	Draft (Existing)	1	123114 mtg - client specified Guldman Lift 010815 - request to client to provide model01/19/15 - amended meeting minutes included model from userPer VA document Equipment List Corrections - 5. 3945-021 Lift Patient Ceiling should be EXISTING in rooms

Nuclear Medicine	B123	SPECT/CT	Existing (Reuse)	Draft (Existing)	1	X107, X113, and X115. It should be NEW in room X110. 123114 mtg - client specified Guldmann Lift 010815 - request to client to provide model01/19/15 - amended meeting minutes included model from userPer VA document Equipment List Corrections - 5. 3945-021 Lift Patient Ceiling should be EXISTING in rooms X107, X113, and X115. It should be NEW in room X110.
					<b>Total:</b>	<b>4</b>

## GH2 Ceiling Lift

Guldmann™



An imperceptible start that becomes a smooth, steady motion... that's how a lift with the GH2 ceiling lift feels.

The GH2 design is trim, discreet and efficient. It combines over 20 years of experience with the latest technologies to produce a reliable solution for all lifting needs.

### **Durable**

Lightweight solid construction; no external plugs; encased circuitry; moisture resistant; and a sturdy hand control that endures heavy use.

### **Powerful**

High battery capacity allows the GH2 lift to perform more than 100 standard lifts between charging. A standard lift is 185 lbs. lifted 40 inches.

### **Safe**

Sophisticated safety system features an emergency stop, emergency lowering, and strap roll-up control for increased security for both users and caregivers.

### **GH2 HD – for the heaviest lifts**

GH2 HD – the right solution for heavy lifts up to 550 lbs. Features the same discreet design, function and stability as the GH2 with a soft start and stop.

GH2+2 (Horizontal drive motor)



GH2 HD

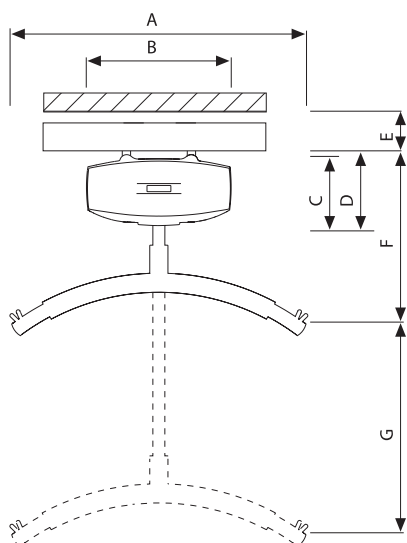


Hand Control



## GH2 Ceiling Lift Technical specifications

**Guldmann™**



### Functions

Max. load	: 440 lbs.
Max. number of lifts in series (AC)	: 92 with 187 lbs./40"
	: 36 with 440 lbs./40"
Max. number of lifts in series (DC)	: 72 with 187 lbs./40"
	: 32 with 440 lbs./40"
Lifting speed:	
with 187 lbs. kg load	: 66"/min
with 440 lbs. load	: 47"/min
with max. 11 lbs. load	: 130"/min (Dual-speed)
Operation	: Hand control
Noise level	: 52 dB(A)

### Weight and Materials

GH2	: 18 lbs. without lifting hanger
Covers	: Impact-proof recyclable plastic/V0 fire-retardant

### Measurements

A	: 23.75" (595 mm)
B	: 12" (300 mm)
C	: 6" (148 mm)
D	: 6.5" (160 mm)
E, min.	: 2.5" (82 mm)
F, min.	: 15" (370 mm)
G	: 73" (1850 mm)
Depth of hoist	: 8" (197 mm)

### Safety Measures

Emergency stop	: Yes
Emergency lowering	: Yes
Lifting strap twist control	: Yes
Safety cut-off for strap	: Approx. 45°, driving direction. Approx. 10°, transverse direction

### Electrical Parts

On/off	: Automatically. Soft start/stop Overload-protected
Power consumption	: 240 VA
Periodic load (operation/pause)	: 15/85, internal supervision
Batteries	: 2 pcs of 12v Sealed and maintenance-free
Battery protection	: Switches off automatically when voltage goes below 17 volt. Indicator flashes to indicate voltage is critical
Electricity supply	: 24V AC/DC
Output transformer	: 40 VA
Output recharger	: 32 VA
Supply voltage	: 100-240V
transformer or recharger	: 100-240V
Charging time, max.	: 8 hours

### Classification, tightness

Hoist and hand control	: IP 20
Microswitch for hand control	: IP 67

### GH2+2 ceiling lift with drive motor &

### GH2+2R ceiling lift with drive motor and infrared remote control

Own weight	: 20 lbs. without lifting hanger
Speed in straight rail	
with full load	: 6"/sec. Soft start/stop
Noise level	: 52 dB(A)
Electricity consumption	: 2.5A with full load
Periodic load (operation/pause)	: 20/80

### GH2 HD ceiling hoist

Max. load	: 550 lbs.
Max. number of lifts in series (AC)	: 92 with 187 lbs./40"
	: 32 with 550 lbs./40"
Max. number of lifts in series (DC)	: 72 with 187 lbs./40"
	: 28 with 550 lbs./40"
Lifting speed:	
with 187 lbs. load	: 66"/min
with 550 lbs. load	: 40"/min
with max. 11 lbs. load	: 130"/min (Dual-speed)

### Markings

CE-marked and TÜV-approved according to DS/EN 10535	: Hoist for the transfer of disabled persons
EN 60601-1-2 93/42/EEC	: Medical electrical equipment
	: Medical devices

### Item Number/Model

120001-xxxx	: GH2 incl. transformer/recharger and hand control
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### Classification

according to ISO 9999	: 12 36 12
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### Patents

: PR 174766
: PR 174767
: BR 2001 00112
: MR 2001 00112
: PA 2002 01465

**Time to care**

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## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Meter, Survey

**Manufacturer:** Ludlum Measurements, Inc. ((800) 622-0828)

**Vendor:** Ludlum Measurements, Inc. ((800) 622-0828)

**Model:** Model 3A w/ Model 44-9 Pancake G-M Detector

Survey meter with pancake detector. Meter dial includes 0 - 2 mR/hr, or 0 - 5k cpm, BAT TEST. Audible alarm. Pancake type halogen quenched G-M detector.

**Atta ID:** 4017-014

**Alt ID:**

**Mfr #:** 48-1408/47-1539

**Vendor #:** 48-1408/47-1539

**CAD ID:** MET0041

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 3.50 in (89 mm)	<b>Left:</b> N/A
<b>Depth:</b> 8.50 in (216 mm)	<b>Right:</b> N/A
<b>Height:</b> 6.50 in (165 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 4 lbs (1.8 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Meter requires 2 D cell batteries.

Dimensions reflect meter only, Pancake detector dimensions: 1.8"H x 2.7"W x 10.7L, 1 lb.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	2	Per VA document Equipment List Corrections - 6. 4017-17 Ludlum Survey Meter these should be Model #3's not model 2241 also it should include the check source, the check source holder and the Model 44-9 pancake probe.

**Total:** 2

# Model 3 with Model 44-9 Alpha Beta Gamma Counter

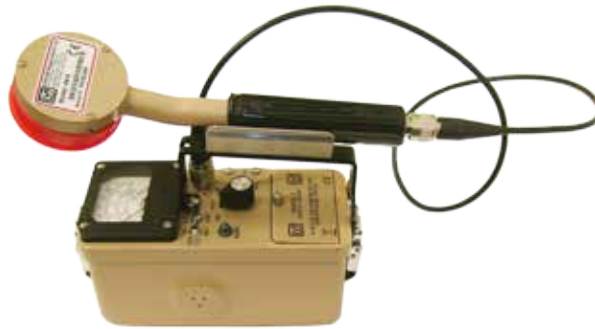
*Radiation Detection for a Safer World*



Ludlum Measurements, Inc.

## Features

- Rugged Analog Ratemeter
- Pancake-Type, Halogen-Quenched GM Detector
- Easy to Use
- Easy Reach to Difficult Places
- 2000 Hour Battery Life



## Introduction

Part Numbers: 48-1605 & 47-1539

This is Ludlum's best-selling general purpose, handheld analog ratemeter known for accuracy and long lasting dependability. When connected to the Model 44-9 GM pancake detector, this system simultaneously detects alpha, beta and gamma radiation making it an excellent choice for Medical and Health Physics applications.

The analog meter face supports an operating range of 0–200 mR/hr for measuring gamma exposure rate and 0–660 kcpm for alpha/beta/gamma. With the addition of the optional Model 180-2 sample holder, it can also be used to make a quick evaluation of wipe test surveys in the nuclear medicine department. When ordered together, the Model 3 and 44-9 Probe includes a 1 meter (39 in.) interconnecting cable, and is shipped calibrated and ready for use.

### Model 3 Survey Meter

METER DIAL: 0–500 kcpm, BAT TEST

METER: 6.4 cm (2.5 in.) arc, 1 mA analog type

CONTROLS:

1. Rotary Selector: switches between instrument off, battery check, ranges: x0.1, x1, x10, x100
2. Response Switch: toggles between FAST (4 seconds) or SLOW (22 seconds) from 10% to 90% of final reading
3. Reset Pushbutton: to zero meter
4. Audio Switch: for audio on/off, built-in unimorph speaker, greater than 60 dB at 0.6 meters (2 ft)
5. Calibration Controls: accessible from front of instrument (protective cover provided)

CONSTRUCTION: cast and drawn aluminum with beige powder coat

CONNECTOR: series "C"

TEMPERATURE RANGE: -20 to 50 °C (-4 to 122 °F), may be certified for operation from -40 to 65 °C (-40 to 150 °F)

POWER: two each "D" cell batteries (housed in externally accessible sealed compartment)

BATTERY LIFE: typically greater than 2000 hours with alkaline batteries (battery condition can be checked on meter)

SIZE: 16.5 x 8.9 x 21.6 cm (6.5 x 3.5 x 8.5 in.) (H x W x L), including handle

WEIGHT: 1.6 kg (3.5 lb), including batteries

### Model 44-9 Radiation Detector

DETECTOR TYPE: pancake-type, halogen-quenched Geiger-Mueller

WINDOW: 2 mg/cm<sup>2</sup> mica protected by 79% open stainless steel screen

WINDOW AREA: 15.51 cm<sup>2</sup> (2.4 in<sup>2</sup>) active, 12.26 cm<sup>2</sup> (1.9 in<sup>2</sup>) open

EFFICIENCY (4π): 5% for <sup>14</sup>C; 22% for <sup>90</sup>Sr/<sup>90</sup>Y; 19% for <sup>99</sup>Tc; 32% for <sup>32</sup>P; 15% for <sup>239</sup>Pu, ≤ 1% for <sup>99m</sup>Tc; 0.2% for <sup>125</sup>I

SENSITIVITY (<sup>137</sup>Cs): 3300 cpm/mR/hr

ENERGY RESPONSE: energy dependent

BACKGROUND: 60 cpm

DEAD TIME: 80 microseconds

OPERATING VOLTAGE: 900 Vdc

CONNECTOR: series "C" (others available)

INPUT SENSITIVITY: ≥ 30 mV

CONSTRUCTION: aluminum housing with beige powder-coat finish, stainless steel screen

TEMPERATURE RANGE: -15 to 50 °C (5 to 122 °F), may be certified for -40 to 65 °C (-40 to 150 °F)

SIZE: 4.6 x 6.9 x 27.2 cm (1.8 x 2.7 x 10.7 in.) (H x W x L)

WEIGHT: 0.5 kg (1 lb)



## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Monitor, Physiologic, Bedside, Portable

**Manufacturer:** GE Healthcare - Monitoring Systems (800-558-5120)

**Vendor:** GE Healthcare - Monitoring Systems (800-558-5120)

**Model:** DASH 4000 Pro (Color/Wireless)

Monitor, Physiologic, Portable, 1 battery, recorder, MRQ, SPO2, wireless

**Atta ID:** 4075-067

**Alt ID:**

**Mfr #:** DSH4K-CAA-AAA-XAX

**Vendor #:** DSH4K-CAA-AAA-XAX

**CAD ID:** MON0162

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 11.50 in (292 mm)	<b>Left:</b> N/A
<b>Depth:</b> 9.75 in (248 mm)	<b>Right:</b> N/A
<b>Height:</b> 11.00 in (279 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 12 lbs (5.4 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> 75
<b>Hz:</b> 60	<b>Amps:</b> 2
<b>Phase:</b> Single	<b>BTU/hr:</b> 240
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Existing (Reuse)	Draft (Existing)	1	per note - Reuseper 123114 meeting notes - Physiologic monitor 4075-067 and stand 5779-011 - indicate these are VA furnished and installed items. Currently, they share one unit between the existing rooms. VA to verify if this will continue to be the case. Awaiting VA decision011915 amendment to 123114 meeting notes - VA - One unit will be shared between camera rooms. Provide connections in rooms to enable this to "float". SECond monitor to be located in Chemical Stress Room. Both monitors are existing.
Nuclear Medicine	B129	PET/CT	Existing (Reuse)	Draft (Existing)	1	Per notes - pg 21-22 monitor stand, monitorper 123114 meeting notes - Physiologic monitor 4075-067 and stand 5779-011 - indicate these are VA furnished and installed items. Currently, they share one unit between the existing rooms.



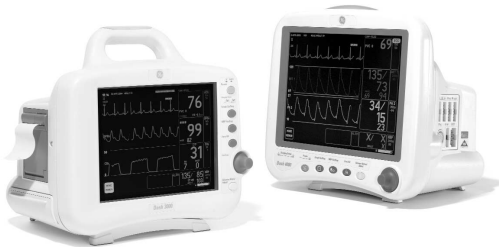
VA to verify if this will continue to be the case. Awaiting VA decision011915 amendment to 123114 meeting notes - VA - One unit will be shared between camera rooms. Provide connections in rooms to enable this to "float". SECond monitor to be located in Chemical Stress Room. Both monitors are existing.

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**Total: 2**

## Dash 3000 & 4000

### Variable-Acuity Monitoring



#### **Superior bedside adaptability**

The Dash® 3000 & 4000 are portable monitors designed to be as flexible as they are easy to use. They allow the acuity of any bed to be modified instantaneously to meet changing patient needs.

#### **Gold standard algorithms and technology**

Dash monitors revolutionize patient care and assessment by combining the most complete selection of gold standard patient monitoring parameters with leading-edge cardiac technology.

#### **Enterprise networking**

Superior hard-wired and wireless network connectivity – including access to CIS, CVIS, PACS, RIS, HIS and more than 350 beds without central station support – contributes to the Dash monitors' unprecedented ability to adapt to changing patient acuity demands.

## Product Specifications

<b>Display</b>	
Size	Dash 3000 – 8.5 in., Dash 4000 – 10.4 in. (diagonal)
Type	Active-matrix color LCD
Resolution	640 by 480 pixels
Number of traces	6 (maximum)
Number of seconds/trace	4.9 at 25 mm/sec
Sweep speed	6.25, 12.5, 25 mm/sec (with erase bar)
<b>Controls</b>	
TrimKnob® control	
Five hard keys	Silence Alarm, Graph Go/Stop, NBP Go/Stop, Zero All and Power On/Off
Remote control option	Available
<b>Alarms</b>	
Categories	Patient status and system status
Priority	4 levels – Crisis, Warning, Advisory and Message
Notification	Audible and visual
Setting	Default and individual
Silencing	1 minute, current alarm only
Pause	5 minutes in Adult ICU mode, 3 minutes in Neonatal ICU mode and 5 minute, 15 minute, or permanent pause in OR mode
Volume	Default 70 dB measured at 1 meter

## Invasive Blood Pressure

Number of channels	1 to 4 (optional); 3rd and 4th invasive lines only available with Masimo® SpO <sub>2</sub>
Transducer sites	Arterial, femoral artery, pulmonary arterial, central venous, right atrial, left atrial, intracranial and special
Transducer requirements	Excitation voltage: 5 V dc $\pm$ 0.1%
Transducer output	5 $\mu$ V/mmHg
<b>Input specifications</b>	
Range	-25 mmHg to 300 mmHg
Offset	$\pm$ 150 mmHg
<b>Output specifications</b>	
Frequency response	dc to 50 Hz (-3 dB)
Zero balance range	$\pm$ 150 mmHg
Zero balance accuracy	$\pm$ 1 mmHg
Zero balance drift	$\pm$ 1 mmHg over 24 hours
Accuracy	$\pm$ 2% or $\pm$ 1 mmHg, whichever is greater (exclusive of transducer)
Alarms	User-selectable upper and lower limits for systolic, diastolic and mean pressures

## ECG

Standard leads available	I, II, III, V, aVR, aVL and aVF
3, 5 and 10 leadwire cable	I, II, III, V, aVR, aVL, aVF, V2, V3, V4, V5 and V6
Leads analyzed simultaneously	I, II, III and V (multi-lead mode)
Lead fail	Identifies failed lead
Alarms	User-selectable upper and lower heart rate limits
<b>Input specifications</b>	
Voltage range	$\pm 0.5$ mV to $\pm 5$ mV
Signal width	40 ms to 120 ms (Q to S)
Heart rate range	30 to 300 bpm
Input impedance	Common mode > 10 M $\Omega$ at 50/60 Hz Differential > 2.5 M $\Omega$ from dc to 60 Hz Common mode rejection 90 dB minimum at 50 or 60 Hz
<b>Output specifications</b>	
Impulse response	For an impulse of 3 mV applied for 100 ms Displacement following impulse < 0.1 mV Slope following impulse < 0.3 mV/s
Frequency response	Response of non-permanent displays is limited by resolution to 40 Hz (-3 dB) @25 mm/s. Specified upper frequency limits may vary by $\pm 2$ Hz.
Diagnostic mode	0.67 Hz (+0.4 dB) to 100 Hz (-3 dB)
For compliance with China National Standard	1.0 Hz (+0.4dB) to 75 Hz (-3 dB)
Monitoring mode	0.67 (+0.4 dB) to 40 Hz (-3 dB)
Moderate mode	0.67 (+0.4 dB) to 25 Hz (-3 dB)
Maximum mode	5.0 Hz (-0.3 dB) to 25 Hz (-3 dB)
Noise	< 30 $\mu$ V (referred to input)
<b>Pacemaker detection/rejection</b>	
Input voltage range	$\pm 2$ mV to $\pm 700$ mV
Input pulse width	0.1 ms to 2 ms
Rise time	10 $\mu$ s to 100 $\mu$ s
Over/under shoot	2 mV (max)
Baseline drift	< 0.5 mV per hour with a $\pm 700$ mV, 2 ms
Pacemaker pulse	Applied

## Respiration

Measurement technique	Impedance variation detection
Range	0-200 breaths per minute for variations of 1.0 – 10.0 $\Omega$
Respiration rate	0-200 breaths per minute
Base impedance	100-1000 $\Omega$ at 52.6 kHz
Detection sensitivity	0.4 to 10 $\Omega$ variation
Waveform display bandwidth	0.1 to 1.8 Hz (-3 dB)
Alarms	User-selectable upper and lower respiration rate limits, and user-selectable apnea limit

## Temperature

Number of channels	2
<b>Input specifications</b>	
Probe type	YSI Series 400 or 700 (determined by input cable)
Temperature range	0°C to 45°C (32°F to 113°F)
Resolution	± 0.1°C
<b>Output specifications</b>	
Parameters displayed	T1, T2
Accuracy	(independent of source) ± 0.1°C for YSI series 400
Probes	± 0.3°C for YSI series 700 probes
Alarms	User-selectable upper and lower limits for T1, T2

## Cardiac Output

<b>Input specifications</b>	
Probe type	In-line or bath probe
Catheter size	5F, 6F, 7F, 7.5F and 8F
Injectate volume	3, 5 or 10 cc
<b>Output specifications</b>	
Parameters displayed	Cardiac output, blood temperature, injectate temperature and trial number
<b>Range</b>	
Cardiac output	0.2-15 (liters per minute)
Blood temperature	30-42°C
Injectate temperature	0-30°C
<b>Accuracy</b>	
Cardiac output	± 5%
Blood temperature	± 0.2°C
Injectate temperature	± 0.3°C
Frequency response	dc to 15 Hz ± 2 Hz

## Pulse Oximetry

Parameters monitored	Arterial oxygen saturation (SpO <sub>2</sub> ) and peripheral pulse rate (PPR)
SpO <sub>2</sub> range	Nellcor®-compatible 50-100%; Masimo 30-100%
PPR range	Nellcor-compatible 30-300 BPM; Masimo 25-240 BPM
Accuracy	Actual accuracy depends on probe. Please reference manufacturer's specifications.
Nellcor compatible SpO <sub>2</sub>	± 2% (70-100% SpO <sub>2</sub> ); ± 3% (50-69% SpO <sub>2</sub> )
Masimo SpO <sub>2</sub>	± 2% Adults/Pediatric (70-100% SpO <sub>2</sub> ); SpO <sub>2</sub> ± 3% Neonates ≤ 69% unspecified
PPR	± 3 beats per minute
Alarms	User-selectable upper and lower limits for SpO <sub>2</sub> and PPR

## DINAMAP® Non-Invasive Blood Pressure

Technology	DINAMAP classic and SuperSTAT™ (SuperSTAT only available with Masimo SpO <sub>2</sub> )
Measurement technique	Oscillometric
Displayed parameters	Systolic, diastolic and mean pressures, time of last measurement
Measurement modes	Adult ICU and OR modes; manual, auto and stat, neonatal mode; manual and auto
<b>Systolic</b>	
Adult	30-285 mmHg
Pediatric	30-235 mmHg
Neonate	30-140 mmHg
<b>Map</b>	
Adult	20-260 mmHg
Pediatric	20-220 mmHg
Neonate	20-125 mmHg
<b>Diastolic</b>	
Adult	10-220 mmHg
Pediatric	10-210 mmHg
Neonate	10-110 mmHg
<b>Pulse rate, as displayed in tabular trends</b>	
Adult	30-200 bpm
Pediatric	30-200 bpm
Neonate	30-220 bpm
<b>Other specifications</b>	
Overall system accuracy	Meets or exceeds SP 10-1992 AAMI standards
Automatic cycle times	0-8 hours
Tubing length	12 feet adult, 8 feet neonatal
Automatic cuff deflation	Cycle time exceeding 3 minutes (90 seconds neonatal), French mode – Cycle time exceeding 2 minutes (60 seconds neonatal), power off, or cuff pressure exceeds 294 mmHg ( $\pm 6$ mmHg) adult, 250 ( $\pm 5$ mmHg) pediatric, 147 ( $\pm 3$ mmHg) neonatal
Cuff sizes	Thigh, large adult, adult, small adult, child, infant and neonatal, sizes #5 - #1 and assorted long sizes
Alarms	User-selectable upper and lower limits for systolic, diastolic and mean pressures

## CO<sub>2</sub>

<b>Technology</b>	
Supports Novamatrix CapnoStat (mainstream) and LoFlo (low-flow sidestream) CO <sub>2</sub> technologies	
Principle of operation	Non-dispersive infrared (NDIR) single beam optics, dual wavelength and no moving parts
Warm-up time	2 minutes warm-up time to meet accuracy specifications; waveform immediate upon power up, calculated end tidal after two breaths
Cable length (mainstream)	8 foot (2.4 m)
Sample line length (low-flow sidestream)	7 foot (2.1 m)
<b>Information displayed</b>	
Inspired and expired CO <sub>2</sub> concentrations in %, mmHg or kPa; respiratory rate, continuous CO <sub>2</sub> waveform	
<b>Measurement range (at 760 mmHg at an ambient temperature of 25°C)</b>	
0-100 mmHg, 0-13%, 0-12.5 kPa	
PiCO <sub>2</sub> /FiCO <sub>2</sub>	0-50 mmHg, 0-6.5%, 0-6.25 kPa
Respiration rate range	Low-flow SS 0-150 breaths/min Mainstream 0-120 breaths/min
<b>Accuracy (at 760 mmHg at an ambient temperature of 25°C)</b>	
MS	±2 mmHg or 5%, whichever is greater
SS	0-40 mmHg ± 2 mmHg; 41-70 mmHg ± 5% of reading; 71-100 mmHg ± 8% of reading; all specifications ± 12% of actual from 80-150 BrPM
Display resolution	1 mmHg
Rise time	Less than 200 ms (low-flow sidestream); less than 60 ms (mainstream adult reusable or SPU); less than 50 ms (mainstream infant reusable or SPU)
Respiration rate accuracy	± 1 breath/min
<b>Compensations</b>	
Automatic barometric pressure	± 25 mmHg from 530-785 mmHg
Operator-selectable O <sub>2</sub> /N <sub>2</sub> O compensation	
<b>Calibration</b>	
Mainstream	No routine user calibration required 15 second airway adapter zero performed when changing to a different style of airway adapter
Low-flow sidestream	No routine user calibration required
<b>Airway adapters and sample lines – mainstream (airway adapters)</b>	
Types	Adult reusable (standard), adult disposable, infant
Deadspace	Adult reusable/disposable < 5 cc Infant disposable < 1 cc Taper meets ISO 5356-1
<b>Low-flow sidestream airway adapters</b>	
Types	Adult reusable (standard), adult disposable, infant
Deadspace	Adult reusable/disposable < 7.3 cc Infant disposable < 1 cc
<b>Low-flow sidestream sample lines</b>	
Adult, pediatric and infant	Nasal CO <sub>2</sub> and nasal CO <sub>2</sub> /O <sub>2</sub>
Adult and pediatric	Nasal/oral CO <sub>2</sub> and nasal/oral CO <sub>2</sub> /O <sub>2</sub>
<b>Alarms</b>	
CO <sub>2</sub>	High inspired CO <sub>2</sub> ; high/low expired CO <sub>2</sub>
Respiratory rate	Adjustable high and low



## Paper Recorder

Method	Thermal dot array
Horizontal resolution	480 dots/in. @25 mm/sec.
Vertical resolution	200 dots/in.
Number of waveform channels	four
Paper width	50 mm (1.97 in.)
Paper length	30 m (100 ft.)
Paper speed	0.1, 0.5, 1, 5, 10, 12.5, 25 and 50 mm/sec. ( $\pm 2\%$ )

## Analog Output

<b>ECG</b>	
Gain	1 V/mV $\pm 10\%$
DC offset	$\pm 100$ mV (max)
Noise	< 5 mV peak to peak 0-300 Hz
Frequency response	Refer to Frequency Response section under ECG
<b>Blood pressure</b>	
Gain	10 mV/mmHg $\pm 2\%$
DC offset	$\pm 20$ mV (max)
Noise	< 5 mV peak to peak 0-300 Hz
Frequency response	dc to 50 Hz -0/+2 Hz

## Battery

Battery type	Exchangeable Lithium-Ion
Maximum number of batteries	2
Voltage	11.1 V (nominal)
Capacity	$\geq 3.45$ Ah (varies with manufacturers)
Charge time	Less than 4 hours each
Run time	4 to 5 hours
Battery life	500 cycles to 50% capacity

## Wireless LAN

Operating frequency	2.4 to 2.5 GHz
Transmit power	100 mW
Data rate	1Mbps and 2Mbps per channel
Radio technology	Frequency-hopping spread spectrum
Communication protocol	IEEE 802.11
UL 1950 Listed (ITE 9B97), CE Mark RF Standard	
US	FCC Part 15 Class B, Europe: ETS 300 328 and ETS 300 826

## Environmental Specifications

Power requirements	90-132 VAC 50/60 Hz 2.0A 190-264 VAC 50/60 Hz 1.0A
Power consumption	75 W (fully loaded)
Cooling	Convection
Heat dissipation	240 Btu/hr. (max)

## Operating Conditions

Ambient temperature	0-40°C (32-104°F)
While charging batteries	0-35°C (32-95°F)
CO <sub>2</sub> sensor	10-40°C (50-104°F)
Relative humidity	5-95% @40°C
Vibration	MIL-STD 810E, Method 514.4, Category 1
Altitude	-273 m to 2,943 m (-896 to 9,655 ft.)

## Storage Conditions

Do not exceed	
Maximum	70°C (158°F) at 95% relative humidity
Minimum	-40°C (-40°F)
CO <sub>2</sub> sensor	-30 to 65°C (-22 to 149°F)
Batteries	-20 to 60°C (-4 to 140°F)

## Physical Specifications

<b>Dash 4000</b>	
Height	27.4 cm (10.8 in.)
Depth	24.3 cm (9.6 in.)
Width	29.3 cm (11.5 in.)
Weight	5.08 kg (11.2 lbs.)
<b>Dash 3000</b>	
Height	26 cm (10.25 in.)
Depth	20 cm (8 in.)
Width	28 cm (11.0 in.)
Weight	5.08 kg (11.2 lbs.)

## Certification

UL 2601-1 classified  
UL classified for CAN/CSA C22.2 No. 601.1  
IEC 60601-1 certified  
CE Marking for the 93/42/EEC  
Medical Device Directive

## Warranty

Standard warranty is one year.

## Ordering Information

Visit [gehealthcare.com](http://gehealthcare.com) or contact your local GE Healthcare representative.

## GE Healthcare

Waukesha, Wisconsin U.S.A.  
[www.gehealthcare.com](http://www.gehealthcare.com)

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imagination at work



## VA Columbia MO - Nuclear Medicine

## Specification Coversheet

**Description:** Regulator, Suction, Intermittent/Continuous**Manufacturer:** Allied Healthcare Products - Chemetron ((800) 444-3940)**Vendor:** Allied Healthcare Products - Chemetron ((800) 444-3940)**Model:** Vacutron 22-15-1108**Atta ID:** 4248-006**Alt ID:****Mfr #:** 22-15-1108**Vendor #:** 22-15-1108**CAD ID:** REG0010**Item ID:**

Continuous/ Intermittent suction regulator. Chemetron Male back inlet, DISS Male bottom outlet. 0- 150 mmHg intermittent mode, 0-300 mmHg continuous mode. Can be sterilized internally with cold disinfectant.

## General Product Detail

**Arch Sig:** No **Spatially Sig:** No  
**Arch Code:** 3 - Movable, Non-Elect **ADA:** No  
**Custom Code:** Unassigned **Antimicrobial:** No  
**Furnish Install:** O/O **Type:** Medical **Green:** No

## Electrical Requirements

**Volts:** N/A **Watts:** N/A  
**Hz:** N/A **Amps:** N/A  
**Phase:** N/A **BTU/hr:** N/A  
**KVA:** N/A **Ded. Circuit:** No  
**Emer. Power:** No **Plug Type:** N/A

## Physical Requirements

**Width:** 2.75 in (70 mm) **Left:** N/A  
**Depth:** 4.00 in (102 mm) **Right:** N/A  
**Height:** 7.00 in (178 mm) **Front:** N/A  
**Max Weight:** 2 lbs (0.9 kg) **Back:** N/A  
**Mounting:** Wall **Top:** N/A  
**Bottom:** N/A

## Utility and Technology Requirements

**Water - Cold:** No **Gasses:** No  
**Water - Hot:** No **Drain:** No  
**Water - Treated:** No **Steam:** No  
**Vent:** No **Vacuum - Dental:** No  
**Tech Connect:** No **Vacuum - Medical:** Yes

## Structural Requirements

**Seismic:** No **Pre-approval:**

## Product and Project Item Notes

**Specification:****Structural:****Electrical:****Plumbing:****Mechanical:**

## Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	
Nuclear Medicine	B121	Pat Dose Room	Project	Draft (New)	2	
Nuclear Medicine	B129	PET/CT	Project	Draft (New)	1	
Nuclear Medicine	B120	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	B123	SPECT/CT	Project	Draft (New)	1	
Nuclear Medicine	A156B	Treadmill	Project	Draft (New)	1	
<b>Total:</b>					<b>7</b>	

# Continuous/Intermittent Model



The continuous/Intermittent suction regulator is designed to support a variety of procedures requiring constant or intermittent suction. Constant suction is used primarily to maintain a patient's airway, while intermittent suction is used for drainage procedures.

### Key Features

- Dual safety relief valves limit the maximum vacuum level on both constant and intermittent modes in the event of regulator failure or inaccuracy
- Superior regulation mechanism ensures stable vacuum settings even with fluctuations in source vacuum
- ISO configurations available

### Specifications

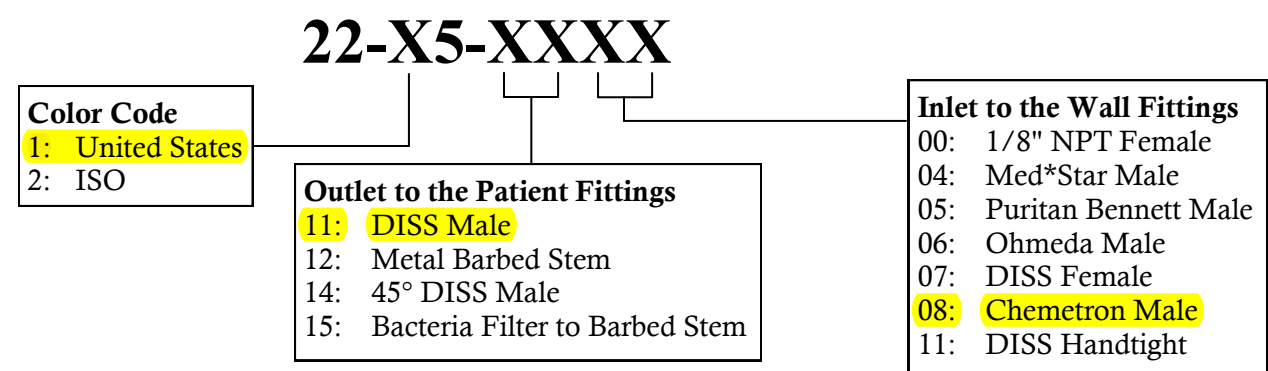
Operating Modes: OFF, Regulated and Intermittent  
Regulated Vacuum Range: 0-300 mm Hg (Regulated)  
0-150 mm Hg (Intermittent)  
Cycle Times: 17 seconds of suction followed by 10 seconds without suction  
Safety Relief Valves: 1 @ 320 mm Hg (Regulated)  
1 @ 170 mm Hg (Intermittent)  
Vacuum Gauge Scale: 0-300 mm Hg in 5 mm Hg increments  
0-40 kPa in 2 kPa increments  
Dimensions: 6.8" H x 2.65" W x 4.07" D (174 mm x 67 mm x 104 mm)  
Weight: 1.3 lbs. (0.59 kg)  
Warranty: 10 years



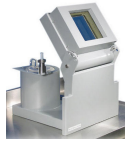
22-25-1050  
22-25-1050-SPAN  
22-25-1100  
22-25-1114  
22-25-1200

### Continuous/Intermittent Suction Regulator Configurator

Using the diagram below, one can configure any continuous/intermittent suction regulator. For example, the part number for a continuous/intermittent Vacutron with U.S. coloring, a DISS male patient fitting and an Ohmeda male wall fitting is 22-15-1106. The complete Vacutron Configuration Table is on page 13.



## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Shield, Lead, Table Top L-block

**Manufacturer:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Vendor:** Biodex Medical Systems, Inc. ((800) 224-6339)

**Model:** 042-433 Compact w/Dose Calibrator Shield

Compact L-block with dose calibrator shield. 1.5" thick lead shielding in front, 1" at base 8" W x 8" H x 4" thick, adjustable lead glass window. 1" thick lead shield surrounds calibration chamber. (requires through-counter mounting of chamber.)

**Atta ID:** 4310-006

**Alt ID:**

**Mfr #:** 042-433

**Vendor #:** 042-433

**CAD ID:** SHD0011

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> Yes
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> C/C	<b>Type:</b> Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Physical Requirements

<b>Width:</b> 18.00 in (457 mm)	<b>Left:</b> N/A
<b>Depth:</b> 21.50 in (546 mm)	<b>Right:</b> N/A
<b>Height:</b> 26.00 in (660 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 570 lbs (258.6 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Requires through-counter mounting of chamber

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

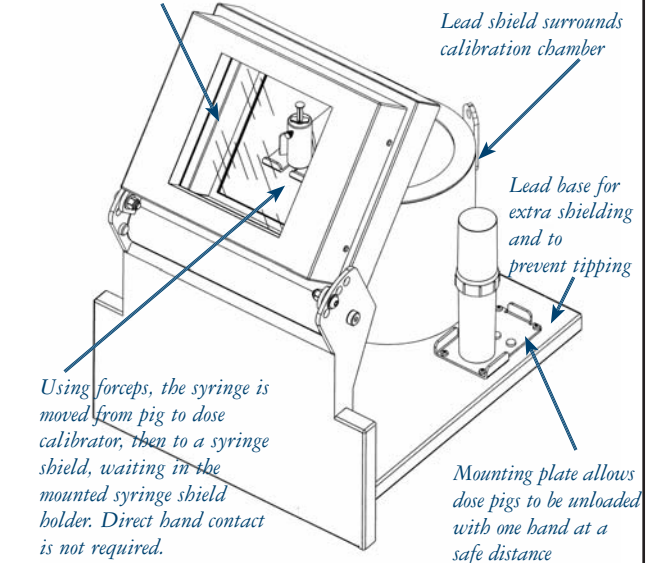
Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B165	Hot Lab	Project	Draft (New)	1	Per 020415 meeting notes clarifications - 4310-006 located pon top of 3490-026
<b>Total:</b>					<b>1</b>	

## COMPACT L-BLOCK WITH DOSE CALIBRATOR SHIELD

*Space-saving design – Ideal for mobile units*



*Leaded frame prevents streaming around lead glass and provides shielding equal to the width of the L-Block Shield*



- 1.5" thick lead shielding in front, 1" in base
- 8" x 8" x 4" adjustable lead glass window
- 1" thick lead shield surrounds calibration chamber
- Optional Lead Brick Cave for complete lateral shielding

The unique Compact L-Block with Dose Calibrator Shield is designed to maximize space in facilities receiving and preparing doses of high-energy nuclides such as FDG F-18. This unit provides convenient access and viewing of the work area and incorporates a built-in calibration chamber shield. The special shield is designed to accommodate a chamber that is through-mounted in a countertop (customer responsible for installation). The chamber shield accommodates all Atomlab chambers and many others (check chamber shield specifications to determine fit). This combination of L-Block and dose calibrator shield eliminates the need to purchase interlocking shielding rings. This unit is constructed of lead encased in steel. It features a large 8" x 8" x 4" lead glass window with adjustable window angle, 1.5" thickness lead shielding in front, and 1" thick lead in the base and in the chamber shield. A special plate with a hex-shaped recess is mounted on the L-Block base to facilitate one-handed loading and unloading of dose pigs incorporating hex-shaped bottoms. The optional 042-434 Lead Brick Cave fits neatly into the sides of the vertical section to provide lateral shielding around the full perimeter of the L-Block's base. For hot labs in mobile vans, the optional Brick Cave Cover will prevent the cave from shifting when the vehicle is in motion.

### SPECIFICATIONS:

042-433 Compact L-Block with Dose Calibrator Shield

Dimensions: 18" w x 21.5" depth x 26" h (45.7 x 54.6 x 66 cm)

Lead Shielding:

Front: 1.5" thick (3.8 cm)

Base: 1" thick (2.5 cm)

Calibrator Shield: 1" thick (2.5 cm)

Calibrator Shield Inside Dimensions: 6.85" I.D. x 10.25" h (17.4 x 26 cm)

Lead Glass Window:

Dimensions: 8" w x 8" h x 4" thick (20.3 x 20.3 x 10.2 cm)

Density: 5.2 g/cm<sup>3</sup>

Finish: Powder coat

Weight: 570 lb (259 kg)

Shipping Weight: 590 lb (267.6 kg)

042-434 Interlocking Lead Brick Cave

Dimensions:

I.D.: 14" w x 20.5" depth x 16" h (35 x 52.1 x 40.6 cm)

Lead Shielding: 2" thick (5 cm)

Finish: Paint

Weight: 597 lb (271 kg)

**042-433** Compact L-Block with  
Dose Calibrator Shield, 1.5" lead  
With built-in Dose Calibrator Shield

Related:

**042-434** Lead Brick Cave, 3-wall, 2" lead  
Fits 042-433 L-Block Shield

**042-435** Lead Brick Cave Cover  
Fits 042-434 Lead Brick Cave

*Biodex L-Block Shields incorporate a hex-shaped plate to facilitate one-handed loading and unloading of Biodex PET Pigs.*

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Stress Test System, w/ Treadmill

**Manufacturer:** GE Healthcare - Cardiology (800.814.9389)

**Vendor:** GE Healthcare - Cardiology (800.814.9389)

**Model:** CASE + T2100

**Atta ID:** 4427-011

**Alt ID:**

**Mfr #:** CASE T2100

**Vendor #:** CASE T2100

**CAD ID:** STS0034

**Item ID:**

Stress test system w/T-2100 treadmill and Tango+ blood pressure monitor. 3, 6, 12 or 15 monitor leads, programmable lead configurations. Mobile workstation with 17" or 19" LCD monitor. Series 2100 treadmill has weight capacity of 450lbs, speeds from 0-13.5 mph, 60 inch walking surface, emergency stop switch, handrail & digital controller.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/V	<b>Type:</b> Medical
	<b>Green:</b> No

#### Physical Requirements

<b>Width:</b> 29.00 in (737 mm)	<b>Left:</b> N/A
<b>Depth:</b> 77.00 in (1956 mm)	<b>Right:</b> N/A
<b>Height:</b> 45.50 in (1156 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> *	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Electrical Requirements

<b>Volts:</b> 208	<b>Watts:</b> 1540
<b>Hz:</b> 60	<b>Amps:</b> 16
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> Yes
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-20)

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> Yes	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

##### Specification:

Dimensions and electrical requirements noted are for treadmill only. Provide dedicated 20A circuit with NEMA 6-20 R wall socket for treadmill.

Mobile workstation is 29" x 24"/147.5 lbs (100 to 135 VAC, 45-63 Hz, 2.8 A) Ethernet MUSE compatible.

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	A156B	Treadmill	Existing (Reuse)	Draft (Existing)	1	Per email from Sarah H - The final equipment in the treadmill room is as follows: GE Healthcare CASE exercise testing system Resting ECG, P2 Series SN: SCF08203095SA Vendor to relocate
<b>Total:</b>					<b>1</b>	



# CASE

## Cardiac Assessment System for Exercise Testing

Building on the Marquette® legacy of leadership in exercise testing, the latest CASE® system delivers highly scalable solutions to meet virtually any facility's unique performance and productivity requirements – now with new advanced features that give you even greater capabilities in assessing cardiac function during exercise.

The CASE system addresses your need for productivity-enhancing applications, easy-to-use powerful analysis and diagnostic tools, and leading-edge networking alternatives – all designed to optimize your clinical decision making and enhance your diagnostic confidence.

From high-throughput, multi-modality stress labs to physician offices, the CASE system helps you consolidate and streamline your workflow. The system's innovative ergonomic features provide comfortable, flexible operation and convenient use for stress exams. User-adjustable controls let you fine-tune the performance of CASE signal-acquisition and innovative filtering, while the open architecture accommodates a range of increasingly powerful capabilities. And the CASE system can be configured to meet information management requirements from the simplest to the most sophisticated, creating an integrated stress solution.

Delivering proven performance, unique ergonomic features and networking alternatives, the CASE system offers the ultimate in accurate, convenient, efficient stress testing.



### Innovative features streamline your workflow.

Enhancing the productivity of your entire staff is easy with the CASE system. Technological advances and ease-of-use features help you maximize efficiency throughout your department.

- Separate resting ECG module lets you combine resting and stress ECGs in one system, to help you better consolidate your workflow by entering patient data just once.
- Vital Signs Window Customization puts your desired information in the format you choose for stress test viewing.
- Flexible interface accommodates multiple custom set-ups.
- Export capabilities from PDF, Microsoft® Word and Excel documents means easy communication with physicians working remotely, even on different platforms.
- XML capabilities ensure flexible open communication.
- Backlit keyboard and well-lit printing surface ensure effortless, confident operation in rooms darkened during stress echo tests.
- Configured report functionality facilitates the complete customization of final reports directly from the device.
- Customizable charts offer a tabular summary of all test variables for clear, consistent, efficient report generation.
- Flat panel displays offered in both 17-inch and 19-inch options offer expanded viewing area and improved waveform display.
- Improve efficiency and reduce demographic error by downloading patient data from MUSE®.
- Low volume to high volume scalability to meet your facility's needs.





## Clinical tools to enhance patient assessment.

Advanced CASE analysis capabilities are built on GE's proven analysis programs, to provide unmatched accurate exercise-testing assessment, and help you make efficient, more confident decisions about your patients' care.

- Powerful analysis tools and easy-to-use applications optimize clinical decision making, from advanced assessment tools such as the proven Marquette 12SL™ ECG analysis program to full-disclosure, incremental updating and Duke Treadmill Score.
- Patented Finite Residual Filter (FRF) algorithm helps eliminate baseline wander and muscle artifact without destroying the amplitude and frequency content of the QRS complex.
- Optional Marquette T-Wave Alternans analysis program – utilized during standard time-domain exercise testing – lets you quickly and accurately assess the presence of T-wave alternans without special electrodes or testing protocols.
- 15-lead sophistication delivers analysis of more localized abnormalities in an exercise ECG setting.
- Optional patented Waterfall display color-maps all exercise test ECGs into one quickly reviewable screen, giving you ready access to comprehensive, constantly updated ST segment data that supports confident assessments.
- Arrhythmia detection, annotation and review provide enhanced ectopic event analysis. The system gathers, groups, and labels all arrhythmias for quick review and print, allowing you to capture events that may have been overlooked.
- During post-test review, clinicians can create 12-lead reports from full disclosure data after the test is completed. Reports taken both during and after the stress test can be sent to MUSE, giving you full control of your final report.
- Serial presentation of exercise ECGs enables positive interpretation of clinical change.
- Reanalysis lets you easily adjust measurement points (E, J and post-J) for more accurate ST measurement.
- Digital Cardiac Acquisition Module virtually eliminates non-cardiac electrical noise.
- Signal-acquisition advances and innovative filtering are complemented by user-adjustable controls to fine-tune performance and tracing quality.

## Networking options improve your performance and productivity.

GE's CASE exercise testing system and CASE clients can be combined in a network configuration to maximize both performance and productivity.

- Networking multiple CASE systems allows a shared database for full-disclosure stress data and for independent storage on the CASE system. The CASE network can fully integrate with and utilize the advanced features of the MUSE cardiology information system. Patient demographic data is only entered once when CASE systems are networked together.
- Remote View allows you to view real-time stress data from an alternate location on your own PC\*, increasing clinical productivity in your stress lab.
- Your own PC\* can also serve as a separate CASE client, allowing you to edit, review, print and export stored final reports while keeping your CASE system free for testing.
- Bi-directional network communications provide remote access to MUSE-stored patient records.
- The CASE system interfaces with electronic medical record (EMR) systems in the physician office, such as Centricity® Physician Office – EMR.

\*PC must meet minimum specifications.

Performance specifications	
Signal processing	
ECG analysis frequency	500 Hz
ST measurements	ST amplitudes, slope, integral, index, ST/HR slope, ST/HR loops, ST/HR index up to 15 leads
E, J and post-J point	Manual or computer selected
Signal processing	Incremental median updating technique
Baseline correction	Finite Residual Filter (FRF) or Cubic Spline analysis
QRS detection and analysis	Automatic or manual lead selection
ECG output	Real-time ECG/QRS beep/TTL synchronization output
Heart rate	Automatic arrhythmia detection, documentation and annotation
Full-disclosure ECG	Beat-to-beat ECG storage and event review
Reanalysis	Post-test medians measurements from E, J and post-J point selections
ECG interpretation	(Optional) Marquette 12SL ECG analysis program for adults and pediatrics
Additional ECG function	Vectorcardiography (15 lead)
Data acquisition	
Technology	Active, "Type BF" floating isolated powered 14-channel acquisition module with built-in lead-fail detection and lead prep impedance measurement
Sampling rate	Over-sampling @ 4000 Hz
Dynamic range	320 mV, $\pm 10$ mV signal superimposed on $\pm 150$ mV DC offset
Resolution	4.88 $\mu$ V/LSB @ 500 Hz
Noise	< 15 $\mu$ V peak-to-peak noise over 0.01 to 150 Hz (-3 dB) bandwidth
Frequency response	-3 dB, display and writer
High-pass filter	0.01 (or 0.05 Hz, special use) with DC offset control
Low-pass filter	20, 40, 100, 150 Hz (selectable)
Line filter	50.0 or 60.0 Hz notch filter (selectable)
Baseline correction	Cubic Spline algorithm
Artifact/baseline correction	Finite Residual Filter (FRF) analysis
Common mode rejection	> 140 dB (123 dB with AC filter disabled)
Input impedance	> 10 M Ohms @ 10 Hz, defibrillator protected
Patient leakage	< 10 $\mu$ A
Pace detect	Orthogonal LA, LL and V6; 750 $\mu$ V @ 50 $\mu$ s

Performance specifications (cont.)	
Communications/storage options	
MUSE systems compatible via diskette; network (optional)	
MUSE Web compatible for retrieval view and printing of MUSE system data	
Local storage	Minimum 40 GB hard drive storage of complete ECG record and test results
PDF export of final reports with auto naming protocols also from Microsoft Word and Excel	
XML export of specified data	
CASE network server with editing workstations	
Windows® XP operating system	
Display	
Display type	LCD (flat panel display)
Display resolution (minimum)	LCD-1280 x 1024
Display size	17- or 19-inch LCD
Monitored leads	3, 6, 12 or 15
Displayed leads	Number on screen 3, 6, 12 or 15
Display format	3 rhythm, 3 rhythm + medians, 3 rhythm + trends, 6 rhythm, 4 x 2.5 + 1 rhythm, 2 x 6
Display speeds	25, 50 mm/s
Display sensitivity/gain	2.5, 5, 10, 20 mm/mV
Displayed vital signs data (configurable)	Heart rate, target heart rate, blood pressure, exercise clock, stage clock, phase clock, protocol, speed, grade, Watts, METS, RRP and SpO <sub>2</sub>
Displayed data	ST scan/median complexes, arrhythmias, ventricular ectopic/min counter, 3 to 12 lead waveforms, lead check torso and 12 leads, waterfall display, trends, tabular summary, stored ECG strips, interpretation, time-of-day clock, patient name, warning messages and prompts
Writer	
Writer technology	"Instant" load, thermal dot array
Writer leads	3, 6, 12 or 15 leads (standard, NEHB, Cabrera, configurable)
Writer speeds	5, 12.5, 25 and 50 mm/sec ( $\pm 2\%$ )
Writer sensitivity/gain	2.5, 5, 10 or 20 mm/mV ( $\pm 5\%$ )
Writer resolution	Horizontal 1000 lines/sec x 200 dpi dedicated local printing. 200 x 200 dpi generic printing
Paper type	Thermal, perforated, fan-fold, 300 sheets/pack
Paper size	A size 214.63 x 280 mm (8.45 x 11 in); A4 size 210 x 297.5 mm (8.27 x 11.0 in)



Performance specifications	
Signal processing	
ECG analysis frequency	500 Hz
ST measurements	ST amplitudes, slope, integral, index, ST/HR slope, ST/HR loops, ST/HR index up to 15 leads
E, J and post-J point	Manual or computer selected
Signal processing	Incremental median updating technique
Baseline correction	Finite Residual Filter (FRF) or Cubic Spline analysis
QRS detection and analysis	Automatic or manual lead selection
ECG output	Real-time ECG/QRS beep/TTL synchronization output
Heart rate	Automatic arrhythmia detection, documentation and annotation
Full-disclosure ECG	Beat-to-beat ECG storage and event review
Reanalysis	Post-test medians measurements from E, J and post-J point selections
ECG interpretation	(Optional) Marquette 12SL ECG analysis program for adults and pediatrics
Additional ECG function	Vectorcardiography (15 lead)
Data acquisition	
Technology	Active, "Type BF" floating isolated powered 14-channel acquisition module with built-in lead-fail detection and lead prep impedance measurement
Sampling rate	Over-sampling @ 4000 Hz
Dynamic range	320 mV, $\pm 10$ mV signal superimposed on $\pm 150$ mV DC offset
Resolution	4.88 $\mu$ V/LSB @ 500 Hz
Noise	< 15 $\mu$ V peak-to-peak noise over 0.01 to 150 Hz (-3 dB) bandwidth
Frequency response	-3 dB, display and writer
High-pass filter	0.01 (or 0.05 Hz, special use) with DC offset control
Low-pass filter	20, 40, 100, 150 Hz (selectable)
Line filter	50.0 or 60.0 Hz notch filter (selectable)
Baseline correction	Cubic Spline algorithm
Artifact/baseline correction	Finite Residual Filter (FRF) analysis
Common mode rejection	> 140 dB (123 dB with AC filter disabled)
Input impedance	> 10 M Ohms @ 10 Hz, defibrillator protected
Patient leakage	< 10 $\mu$ A
Pace detect	Orthogonal LA, LL and V6; 750 $\mu$ V @ 50 $\mu$ s

Performance specifications (cont.)	
Communications/storage options	
MUSE systems compatible via diskette; network (optional)	
MUSE Web compatible for retrieval view and printing of MUSE system data	
Local storage	Minimum 40 GB hard drive storage of complete ECG record and test results
PDF export of final reports with auto naming protocols also from Microsoft Word and Excel	
XML export of specified data	
CASE network server with editing workstations	
Windows® XP operating system	
Display	
Display type	LCD (flat panel display)
Display resolution (minimum)	LCD-1280 x 1024
Display size	17- or 19-inch LCD
Monitored leads	3, 6, 12 or 15
Displayed leads	Number on screen 3, 6, 12 or 15
Display format	3 rhythm, 3 rhythm + medians, 3 rhythm + trends, 6 rhythm, 4 x 2.5 + 1 rhythm, 2 x 6
Display speeds	25, 50 mm/s
Display sensitivity/gain	2.5, 5, 10, 20 mm/mV
Displayed vital signs data (configurable)	Heart rate, target heart rate, blood pressure, exercise clock, stage clock, phase clock, protocol, speed, grade, Watts, METS, RRP and SpO <sub>2</sub>
Displayed data	ST scan/median complexes, arrhythmias, ventricular ectopic/min counter, 3 to 12 lead waveforms, lead check torso and 12 leads, waterfall display, trends, tabular summary, stored ECG strips, interpretation, time-of-day clock, patient name, warning messages and prompts
Writer	
Writer technology	"Instant" load, thermal dot array
Writer leads	3, 6, 12 or 15 leads (standard, NEHB, Cabrera, configurable)
Writer speeds	5, 12.5, 25 and 50 mm/sec ( $\pm 2\%$ )
Writer sensitivity/gain	2.5, 5, 10 or 20 mm/mV ( $\pm 5\%$ )
Writer resolution	Horizontal 1000 lines/sec x 200 dpi dedicated local printing. 200 x 200 dpi generic printing
Paper type	Thermal, perforated, fan-fold, 300 sheets/pack
Paper size	A size 214.63 x 280 mm (8.45 x 11 in); A4 size 210 x 297.5 mm (8.27 x 11.0 in)

# T-2100 treadmill

## Advanced performance and reliability in exercise testing

Advances incorporated into the T-2100 treadmill place it at the forefront of patient safety, dependability and overall performance – the culmination of continual technological development and attention to detail specially designed to meet the high quality standards you expect from GE.

The T-2100 treadmill's extra-long, 60-inch surface provides an extra margin of safety for patients. Its zero start feature slowly builds up speed for safe and smooth operation. And it can be slowed to a gradual stop, or stopped immediately with the standard emergency stop button. Full front and side handrails are also standard on the T-2100 treadmill.

With fewer moving parts than other treadmills, the T-2100 treadmill delivers extremely smooth, quiet operation that facilitates accurate blood pressure measurements even at high workloads. Thanks to digital microprocessor control, its settings never need to be calibrated. And a 450-pound weight capacity and speed range of 0-13.5 miles per hour set the T-2100 treadmill apart from other devices.



## Feature highlights

### Patient safety

- 60-inch walking surface
- Two stopping modes
- Standard full handrail set
- Optional pediatric handrail set
- Standard emergency stop switch
- Starts from 0 mph
- 0 to 13.5 mph speed range
- Weight capacity of 450 lbs.
- 0 to 25 percent grade range

### Reliability

- Enhanced tolerance to electrical changes for greater patient safety
- 3.0 horsepower motor
- Self-calibrating for speed and grade
- Digital control insures precise speed and grade control

### Interface

- CASE® Cardiac Assessment System for Exercise
- CASE 8000 exercise testing system
- CardioSoft™ multifunction PC-based diagnostic software
- Also interfaces with many legacy products

## T-2100 treadmill

### Physical specifications

Weight	400 lbs. (181.4 kg)
Walking area	18 x 60 in. (45.7 x 152.4 cm)
Floor space required	29 x 77 in. (73.7 x 195.6 cm)
Walking surface height	5.5 in. (14.0 cm)
Handrail height above walking surface	Front – 40 in. (101.6 cm) Side – Maximum 35 in. (88.9 cm) descending at a 5° angle to 32 in. (81.3 cm)

### Environmental specifications

Power requirements	200 to 240 VAC, 50/60 Hz, single-phase, 20 amperes, NEMA 6-20 R wall socket (dedicated circuit recommended)
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### Operating conditions

Ambient temperature	50° F to 95° F (10° C to 40° C)
Relative humidity	15% to 90%

### Storage conditions

Temperature range	0° F to 120° F (-18° C to 49° C)
Relative humidity	15% to 90%

### Performance specifications

Maximum rated load	450 lbs. (204 kg)
Belt speed range	0 to 13.5 mph at 220 VAC/60 Hz continuously variable; 0 mph start-up
Driver motor	3.0 hp
Elevation motor	1/10th hp
Elevation range	0 to 25% grade, continuously variable
Maximum leakage current	100µA, chassis to ground

GE Healthcare  
3000 North Grandview  
Waukesha, WI 53188  
U.S.A.

[www.gehealthcare.com](http://www.gehealthcare.com)

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imagination at work



# SunTech® *Tango*®+ STRESS BP

Automated Blood Pressure Monitor for Exercise Testing



Accurate, handsfree monitoring for Exercise Testing; designed for seamless integration with GE's CASE® and CardioSoft™ Exercise Testing systems

The Tango®+ Automated Blood Pressure Monitor allows you to focus on your patient during stress testing rather than spending valuable time taking manual measurements. "Tango+ is tolerant to exercise and provides reliable automatic BP (measurements) within an acceptable clinical range."<sup>1</sup> Tango+ can add BP and SpO<sub>2</sub> to your stress ECG system, creating a complete and seamless diagnostic test center.

<sup>1</sup>Cameron JD et al., "Accuracy of automated auscultatory blood pressure measurements during supine exercise and treadmill stress electrocardiogram testing." Blood Pressure Monitor, 9:269-75, 2004



## Features and benefits

Accurate and reliable:	Made possible using SunTech®'s auscultatory K-sound analysis algorithm.
Seamless integration:	Initiate BP measurements from your stress system and automatically record the data on the printed patient report.
Verify BP measurements:	See and hear the Korotkoff sounds using the on-screen display and the included headphones.
Stat mode:	Continuous BP measurements every 2-10 seconds for time-sensitive or emerging situations.
Simple patient prep:	Simple application with pictorial indicators, range and artery indicators.

## Options

Additional Orbit-K™ cuff sizes ranging from 18-44 cm arm circumference

Pulse oximetry (SpO<sub>2</sub>)



CASE Exercise ECG system integrated with Tango+ ABP Monitor

GE Healthcare  
9900 Innovation Drive  
Wauwatosa, WI 53226  
U.S.A.

[www.gehealthcare.com](http://www.gehealthcare.com)



imagination at work

## Specifications

BP measurement:	Auscultatory, R-wave gating using K-sound analysis, for all static and active phases of stress testing.
Measurement range:	Systolic: 50-280 mmHg Diastolic: 20-150 mmHg Heart rate: 40-200 bpm
Interfaces:	Integrates with CASE and CardioSoft using RS-232 and ECG connections.
ECG source:	CASE System or CardioSoft ECG trigger point
Power:	Input: 100-240 VAC @ 50-60 Hz Output: +9 VDC @ 5 amps
Classification:	Class II, continuous
Sampling intervals:	From integrated stress ECG system or other external source, or 1-20 minute intervals.
Dimensions:	22.8 cm x 15.9 cm x 9.7 cm (9.0" x 6.3" x 3.8")
Weight:	1.2 kg (42.6 oz)
Warranty:	2-year standard warranty on monitor.
Accuracy:	"Equivalent to a trained observer using a cuff/stethoscope auscultation method" per ANSI/AAMI SP10:2002 + A1:2003
Standards:	EN 60601-1, IEC 60601-2-30, IEC 60601-1-2 (EMC), EN 1060-1, EN 1060-3, UL 60601-1, IEC 60601-2-49, ISO 9919, CAN/CSA 22.2 601-1
Tango+ kits:	2013320-042 – Tango+ UK/EU kit 2013320-047 – SpO <sub>2</sub> kit

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Tango®+ is manufactured by SunTech Medical Inc.

Distributor is GE Healthcare.

General Electric Company, doing business as GE Healthcare.

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Stretcher, Procedure / Recovery

**Manufacturer:** Stryker Medical ((269) 329-2100)

**Vendor:** Stryker Medical ((269) 329-2100)

**Model:** Prime with Fifth Wheel 1105 (26' Litter)

Procedure/Recovery Stretcher with fifth-wheel steering and 26-inch litter. Standard features include thermoformed ABS base with storage tray, 700 lb. weight capacity, 3-inch mattress, 20.75"-34" height range, integrated utility tray, litter-mounted oxygen bottle holder, integrated transfer board, power-washable design, four-wheel center -locking brake system with dual end activators, dual side-mounted foot control hydraulics with uni-lower pedal, glideaway siderails with integrated foot end push/pull handles, 4 integrated IV receptacles, +/- Trendelenburg, 8-inch casters with integrated wheel covers, pneumatic backrest/stationary foot, dual end brake/steer controls.

**Atta ID:** 4436-057

**Alt ID:**

**Mfr #:** 1105-000-026

**Vendor #:** 1105-000-026

**CAD ID:** STR0448

**Item ID:**

#### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> Yes
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 34.00 in (864 mm)	<b>Left:</b> N/A
<b>Depth:</b> 85.00 in (2159 mm)	<b>Right:</b> N/A
<b>Height:</b> 48.00 in (1219 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 285 lbs (129.3 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor-Mobile	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B131	NM Stress	Existing (Reuse)	Draft (Existing)	1	With detachable arm boards. Per notes - 26" 1105-026 Gurney - power lift / IV pole / Folding SVC Tray / transfer bd/ upright tank holder - (options by AECOM) (has existing cart)
					<b>Total:</b>	<b>1</b>

# Stryker Prime™ Series



The Big Wheel can reduce start-up force up to 50 percent and steering effort up to 60 percent.

## Mobile. Safe. Efficient.

Extraordinarily mobile and user-friendly, the Stryker Prime Series stretchers are designed to greatly reduce the physical strain on clinicians while enhancing patient care and comfort. Advanced mobility options such as the Zoom Motorized Drive System or Big Wheel make transporting heavy patients easy, while electric functionality allows patients to adjust their own position without calling a caregiver for assistance. Fully equipped and highly configurable, the Stryker Prime Series allows you to create the ideal solution to meet your specific needs.



Zoom Motorized Drive System on the Stryker Prime stretcher virtually eliminates manual pushing.



Lift Assist™ Backrest uses a drop-seat design which uses the patient's weight to help raise the head of the bed while cradling the patient to help reduce boosting.

## Medical

**Advanced mobility, with optional Big Wheel® or Zoom® Motorized Drive System, helps make transport safe and efficient**

**NEW electric-powered base and litter option available on all mobility solutions**

**Industry's first stretcher exit system, alerts the nurse to a potential patient fall**

**Optional integrated scale system provides accurate, repeatable weighings**

**Pioneer® mattress offers superior pressure redistribution and comfort**

**Power-washable design with 700 lb capacity**



Electric functionality, including exclusive Chaperone® Stretcher Exit System, gives control to the patient while helping reduce the risk of patient falls.

# Stryker Prime™ Series



1105



1115



1125

**stryker®**

## Medical

3800 E. Centre Ave.  
Portage, MI 49002 U.S.A.  
t: 269 329 2100 f: 269 329 2311  
toll free: 800 787 9537

www.stryker.com

### Standard Features

- Thermoformed ABS base with extra capacity storage tray
- 700 lb weight capacity
- 26-inch wide patient surface with 3-inch Enhanced Comfort Mattress
- Less than 21-inch low height
- Integrated utility tray
- Litter-mounted oxygen bottle holder
- Integrated transfer board
- Power-washable design (1105 and 1115 only)
- Four-wheel, center-locking brake system with dual end activators
- Dual side-mounted foot control hydraulics with uni-lower pedal
- Glideaway™ Siderails with integrated foot end push/pull handles
- 4 integrated IV receptacles
- +/- Trendelenburg
- 8-inch Omni Surface™ Casters with integrated wheel covers
- Pneumatic backrest/stationary foot
- Constant descent hydraulics
- Dual end brake/steer controls
- 2-year warranty

### 1105: All Standard Features Plus

- Fifth Wheel steering

### 1115: All Standard Features Plus

- Big Wheel steering

### 1125: All Standard Features Plus

C-US UL

- Zoom Motorized Drive System

### Optional Features

- 30-inch (76 cm) wide patient surface
- 4-inch (10 cm) Enhanced Comfort Mattress
- 4-inch (10 cm) or 5-inch (13 cm) Ultra Comfort Mattress
- Pioneer® Pressure Redistribution Mattress
- Four-sided brake and steer controls (1105 and 1115 only)
- Pop-up push handles (1105 and 1115 only)
- Knee Assist™ No-crank Hydraulic Knee Gatch
- Exclusive Lift Assist Backrest design with drop seat
- Integrated scale system
- Three-sided hydraulic controls (1105 and 1115 only)

### Specifications

#### • Model Number

#### 26-inch Litter

#### 30-inch Litter

**1105** (Prime with Fifth Wheel)  
**1115** (Prime with Big Wheel)  
**1125** (Prime with Zoom Drive)

**1105** (Prime with Fifth Wheel)  
**1115** (Prime with Big Wheel)  
**1125** (Prime with Zoom Drive)

#### • Overall Length

(1105 and 1115)

85" (216 cm)

85" (216 cm)

(1125)

86" (218 cm)

86" (218 cm)

#### • Overall Width

Siderails Up

34" (86.4 cm)

38" (96.5 cm)

Siderails Down (1105 and 1115)

30.25" (76.8 cm)

30.5" (77.5 cm)

Siderails Down (1125)

30.25" (76.8 cm)

31" (78.7 cm)

#### • Weight Capacity

700 lbs (318 kg)

700 lbs (318 kg)

#### • Height Range

High

34" (86.4 cm)

34" (86.4 cm)

Low (1105 and 1115)

20.75" (53 cm)

20.75" (53 cm)

Low (1125)

23" (58 cm)

23" (58 cm)

#### • Litter Positioning

Backrest

0° – 90°

0° – 90°

Knee Gatch

0° – 40°

0° – 40°

Trend./Reverse Trend.  
(1105 and 1115)

±17°

±17°

Trend./Reverse Trend.  
(1125)

±16°

±16°

Maximum Angle

87.5°

87.5°

Patient Surface

26" x 75.25" (66 x 191 cm)

30" x 75.25" (76 x 191 cm)

#### • Siderails

14" x 57.75" (36 x 147 cm)

14" x 57.75" (36 x 147 cm)

#### • Caster Diameter

8" (20 cm)

8" (20 cm)

### Warranty

- Two years parts, labor and travel

*Stryker reserves the right to change specifications without notice.*

### Electric Functionality

- Electric option (only 30 inches wide)
- Electric patient controls
- Foot end nursing controls
- Powered lift (1105 and 1115 only)
- Chaperone Stretcher Exit System
- 120V or 240V available

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PC/SCG 4M 0310, 09-SMDX-2842  
Mkt Lit-369-111709 Rev B

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Thyroid Uptake System, General

**Manufacturer:** Capintec, Inc. ((201) 825-9500 )

**Vendor:** Capintec, Inc. ((201) 825-9500 )

**Model:** Captus 3000 System (& Well Detector)

**Atta ID:** 4541-002

**Alt ID:**

**Mfr #:** 5430-0077

**Vendor #:** 5430-0077

**CAD ID:** TUS0002

**Item ID:**

Thyroid uptake and well detector system with computer and printer. Features Bioassay for staff, 1024 multichannel analyzer with maximum count rate of 100,000, automatic or manual ROI's, pre-defined & user-defined wipe test. Standard color ink jet printer. Stand includes 360° articulating spring arm, shelves for Captus unit and printer, base holds well detector and is weighted, 4 heavy-duty swivel casters.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 2 - Movable, Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/C	<b>Type:</b> Medical
	<b>Green:</b> No

#### Electrical Requirements

<b>Volts:</b> 115	<b>Watts:</b> 690
<b>Hz:</b> 60	<b>Amps:</b> 6
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

#### Physical Requirements

<b>Width:</b> 28.00 in (711 mm)	<b>Left:</b> N/A
<b>Depth:</b> 31.00 in (787 mm)	<b>Right:</b> N/A
<b>Height:</b> 69.00 in (1753 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 470 lbs (213.2 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor-Mobile	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
--------------------	----------------------

#### Product and Project Item Notes

##### Specification:

Requires circuit protection, line filter and isolation transformer.

Dimensions reflect stand. Isolation Transformer Dimensions: 5.25"H x 6.90"W x 4.31"D.

Printer Dimensions: 8.20"H x 17.5"W x 15.30"D, weight 14.5 lbs.

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	A156A	Thyroid Uptake	Existing (Reuse)	Draft (Existing)	1	
					<b>Total:</b>	<b>1</b>



# Captus<sup>®</sup> 3000 Thyroid Uptake System

## **With the Captus<sup>®</sup> 3000 Thyroid Uptake System, performing thyroid uptake measurements have never been easier.**

Performing Thyroid Uptake measurements has never been easier. The Captus 3000 combines a software program with the latest PC technology to create a Thyroid Uptake system that is fast, reliable, and extremely easy to use.

The Captus software has been designed to get you up and running in virtually no time at all. The program contains a "Quick-Start" feature that walks the user through all of the initial setup functions. The "Quick-Start" feature also serves as an excellent teaching tool. The Captus 3000 software is a full service program with Thyroid Uptake, Wipe Testing, Bioassay, Schillings, Blood Volume and RBC Survival functionality built in. The Wipe Test module has a feature that allows the flexibility of predefined or user defined groupings. The entire program has "Fly Over" control bars to allow quick access to whatever function is necessary.

QA is of course completely automated and now includes the ability to measure Minimum Detectable Activity. With the use of the two included reference standards (Cs-137 and Eu-152) the system will move from Calibration to Constancy to Chi-square with limited time and effort.

There is a versatile 1024 Multichannel Analyzer (MCA) module that allows measurements of energies up to 2 MeV. The MCA module also has an isotope selection library with over 70 preloaded isotopes and adjustable ROI's for easily reproducible counting parameters.

As always, the entire system comes with Capintec's unsurpassed Quality Construction and Customer Service. From Installation and Training to Applications Support just call 800-631-3826 to speak to a Technical Support Specialist.

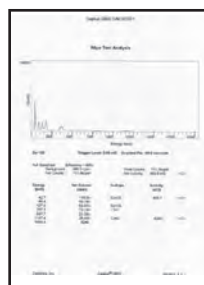


**Captus<sup>®</sup> 3000 Thyroid Uptake System:** Item #5430-0076

**Captus<sup>®</sup> 3000 Thyroid Uptake System with Well:** Item #5430-0077

- Thyroid Uptake
- Bioassay
- Lab Tests
- 360° Articulating Spring Arm
- 1024 Multichannel Analyzer
- Flexible pre-defined or user-defined Wipe Test groupings
- Improved Data Storage, Archive and Reporting Functions
- "Quick Start" menu
- Automated QC Functions Include Energy Calibration, Constancy, Chi-Square and MDA

## **Captus<sup>®</sup> 3000 Reports:**



The Multi-Channel Analyzer is very user friendly. ROI's can be selected from a convenient menu of isotopes with pre-defined regions, or, the user can define them. Protocols can be defined for real time, live time or acquired counts. Results are reported with full spectrum counts, and counts by region of interest. All results can be saved in the database or exported to a spreadsheet.



In this module, multiple TU protocols can be established utilizing I-123, I-131 or Tc-99m. The protocols can use a standard capsule method or allow the system to perform an automatic decay correction to the administered dose. The system will store detailed patient demographics, physician data and administered dose data. There is no limit to the number of uptakes that can be performed, and the results will be reported with detailed count information and automatic percentage uptake calculations.

### **Thyroid Uptake Stand Dimensions**

- Height: 69" (175.3 cm)
- Width: 28" (71.1 cm)
- Depth: 31" (78.7 cm)
- Weight: 400 lbs (181.8 kg)
- w/optional well: 470 lbs (213.6 kg)

### **Isolation Transformer Dimensions**

- Height: 5.25" (13.3 cm)
- Width: 6.9" (17.5 cm)
- Depth: 4.31" (10.9 cm)

### **Printer Dimensions**

- Height: 8.2" (20.8 cm)
- Width: 17.5" (44.4 cm)
- Depth: 15.3" (38.9 cm)
- Weight: 14.5 lbs (6.6 kg)





# Captus<sup>®</sup> 3000 Thyroid Uptake System

## Two Detector Input 2" NaI (TI)

- Flat field collimated to meet ANSI N44.3-1973
- Drilled well with 1" lead shielding and brass liner to absorb back scatter (Optional 2" shield available)

## Multichannel Analyzer Interface PC Board

- 1024 Channels
- Maximum count rate: 100,000 cps
- ROIs automatic or manual
- Differential Linearity <2% over the top 98% of channels
- Integral Linearity <1% over the top 98% of channels
- Presets live time, real time, total counts
- Automatic peak finding
- Software controlled lower level discriminator

## Printer

- Standard Color Ink Jet printer

## Thyroid Uptake Stand

- Rugged floor stand with articulating arm and shelves for Captus<sup>®</sup> 3000 and printer
- (4) Heavy duty locking casters that swivel 360°
- Base designed to hold Well Detector
- Base is weighted to eliminate tip-over hazard
- Isolation transformer for patient and user safety

## Diagnostics and Tests:

- Quality Assurance Section includes zero adjust, automatic gain adjust, detector energy calibration resolution, chi-square, constancy, MDA, automatic efficiency calculation and storage

- Thyroid Uptake Section allows entry of patient demographics and procedure protocol. The standard may be measured at each uptake or automatically decay-corrected by the software. The number of uptakes performed on patients is user-defined with the software calculating each uptake and storing that information on the computer hard disk or printing it out in report form.

- Wipe Testing is state-of-the-art, and with a simple menu-driven format. The system will perform a peak search on each wipe identifying any contamination by peak and by nuclide. The user decides how many wipe locations are entered; there are no location limits. Trigger levels may be selected on a user-specified limit set to flag wipes above a specific activity level. Wipes may be grouped by location.

- The Blood Volume section offers both I-125 and Cr-51 methods with step-by-step guidance through the counting procedure and automatic calculation of the results.

- Red Blood Cell Survival is an added feature. In the Cr-51 test, the user is provided with graphic and numeric representation of the red-cell half life. There is automatic correction for nuclide decay during the test period.

- Bioassay for Staff allows counting of personnel with only one neck count. Staff records, as with other test results, are maintained and archived on the computer hard drive and/or through printed records.

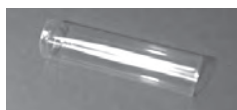
## Optional Components



**Neck Phantom:**  
Item #5230-0038



**Wipe Spot Pads (Box of 500):** Item #5420-0086



**Test Tubes for Wipe Samples (Qty. 100):** Item #5420-0087



**Table Top Stand:**  
Item #5430-2038



**Well Detector (2" Shield):**  
Item #5430-0069



**Wall Mount Stand:**  
Item #5430-3095



**Drilled Well Crystal:**  
Item #5430-0081

### **ALERT Software Upgrade:**

Item #0960-0177

### **Custom Protocol:**

Item #0960-0152

### **Cap-DICOM Software:**

Item #5450-0003



## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Waste Can, Open Top

**Manufacturer:** Rubbermaid Commercial Products (800-347-9800)

**Vendor:** Rubbermaid Commercial Products (800-347-9800)

**Model:** 2956 Deskside Medium (28 qt Beige)

Open top waste can. Rectangular, 28 quart capacity. Beige plastic. Ships 12/pack.

**Atta ID:** 4688-015

**Alt ID:**

**Mfr #:** FG295600BEIG

**Vendor #:** FG295600BEIG

**CAD ID:** WST0043

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Non-Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Physical Requirements

<b>Width:</b> 10.25 in (260 mm)	<b>Left:</b> N/A
<b>Depth:</b> 14.50 in (368 mm)	<b>Right:</b> N/A
<b>Height:</b> 15.00 in (381 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 2 lbs (0.9 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Product and Project Item Notes

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	G197	Admin	Project	Draft (New)	1	Per Sarah H email 040115 - There should only be 1 office chair [5383-052]; 1 waste can; 1 workstation [7843-001]
Nuclear Medicine	G197B	Admin Office	Project	Draft (New)	1	
Nuclear Medicine	B174	Admin/Control	Project	Draft (New)	1	Per Sarah H email 040115 - 1 desktop computer [4988-034]; 1 waste can
Nuclear Medicine	G194	Library	Project	Draft (New)	1	
Nuclear Medicine	C169	NM Physician Office	Project	Draft (New)	1	
Nuclear Medicine	A156C	NM Read/Viewing	Project	Draft (New)	1	Per 123114 meeting notes - Only one 4688-015 wastebasket is required. Delete the other two
Nuclear Medicine	B131	NM Stress	Project	Draft (New)	1	Per Sarah H email 040115 - 1 waste can
Nuclear Medicine	G197A	Office	Project	Draft (New)	1	
Nuclear Medicine	B170	Pat Hot Tlt & Dress	Project	Draft (New)	1	
Nuclear Medicine	B119	PET/CT Hot Wait	Project	Draft (New)	1	

Nuclear Medicine	B122	SPECT/CT Control	Project	Draft (New)	1	Per Sarah H email 040115 - 1 waste can
Nuclear Medicine	B126	SPECT/CT Hot Wait	Project	Draft (New)	1	
					<b>Total:</b>	<b>12</b>



## Waste > Indoor Utility

### 2956 Wastebasket, Medium



Space-efficient and economical.

- Fits under standard desk height even when swing top is fully extended.
- All-plastic construction won't chip, rust or dent.
- Rolled rims add strength, and are easy to clean.

#### AVAILABLE COLORS

Order #	Color	Product UPC/ UCC Code
FG295600 GRAY	GRAY	086876018851 / 10086876018858
FG295600 BLA	BLA	086876018837 / 10086876018834
FG295600 BEIG	BEIG	086876012538 / 10086876012535



Gray  
GRAY



Black  
BLA



Beige  
BEIG

#### SPECIFICATIONS

	U.S.	Metric
Length:	14.4 in	36.5 cm
Width:	10.2 in	26.0 cm
Height:	15.0 in	38.1 cm
Volume Capacity [Nom]:	28 1/8 qt	26.6 L
Volume Capacity [Max]:		
Volume Capacity [Min]:		
Carton Cube:	2.84 ft <sup>3</sup>	0.08 m <sup>3</sup>
Ship Weight/Carton:	22 1/2 lb	10.21 kg

Pack Quantity: 12  
Cartons Per Pallet: 16

Material: LLDPE

Process: Injection Molding

#### ADDITIONAL INFORMATION:

Chemical Resistance Guide: [chem.pdf](#)

[Frequently Asked Questions](#)

#### Products in Deskside Wastebaskets and Tops

Item #	Description	Length	Width	Height	Volume Capacity
2950-73	Wastebasket Recycling Side Bin	10.6 in	7.25 in	11.5 in	
2952	Wastebasket, Vanity	9.9 in	6.75 in	10.1 in	8 1/8 qt
2955	Wastebasket, Small	11.4 in	8.25 in	12.1 in	13 5/8 qt
2956	Wastebasket, Medium	14.4 in	10.25 in	15.0 in	28 1/8 qt
2957	Wastebasket, Large	15.2 in	11.00 in	19.9 in	41 1/4 qt
3071-20	Untouchable® Top/Soft Wastebasket Combo: 3067 Lid/2957 Wastebasket				
3066	Untouchable® Top for 2956 Container	15.0 in	10.88 in	6.0 in	
3067	Untouchable® Top for 2957 Container	16.0 in	11.62 in	7.0 in	

#### Accessories for Wastebasket, Medium (2956):

No.	Description	Length	Height	Volume Capacity	Width
3066	Untouchable® Top for 2956 Container	15.0 in	6.0 in		10.88 in

#### Consumables/Replacement Parts for 2956

No.	Fits	Description
5002-88	2952, 2955, 2956	Linear Low Density Can Liners

**Work Smarter.**

Rubbermaid Commercial Products, LLC  
3124 Valley Avenue, Winchester, VA 22601  
[www.rcpworksmarter.com](http://www.rcpworksmarter.com)

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Waste Can, Open Top

**Manufacturer:** Rubbermaid Commercial Products (800-347-9800)

**Vendor:** Rubbermaid Commercial Products (800-347-9800)

**Model:** 3541 Slim Jim w/Handles (Beige)

16 gallon, open top waste container with handles. All-plastic construction. Beige. Ships 4/pack.

**Atta ID:** 4688-038

**Alt ID:**

**Mfr #:** FG354100BEIG

**Vendor #:** FG354100BEIG

**CAD ID:** WST0296

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Non-Medical
	<b>Green:</b> No

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Physical Requirements

<b>Width:</b> 11.00 in (279 mm)	<b>Left:</b> N/A
<b>Depth:</b> 23.25 in (591 mm)	<b>Right:</b> N/A
<b>Height:</b> 25.00 in (635 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 8 lbs (3.6 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Product and Project Item Notes

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	C168	Tech Office	Project	Draft (New)	1	Per VA Document Equipment List Corrections - 8. 4688-038 waste can Slim Jim should be REMOVED from rooms X107 and X113. It should be ADDED new to room X103
<b>Total:</b>					<b>1</b>	



## Waste > Indoor Utility

### 3541 Slim Jim® Waste Container with Handles



The industry standard in space-saving waste management.

- Efficient size and shape fits tight spaces.
- Durable, all-plastic construction is easy to clean and provides long life.
- Most specified containers behind bars and desk side.

#### AVAILABLE COLORS

Order #	Color	Product UPC/ UCC Code
FG354100LGRAY	LGRAY	086876141597 / 10086876141594
FG354100DBLUE	DBLUE	086876142372 / 10086876142379
<b>FG354100 BEIG</b>	BEIG	086876141580 / 10086876141587



Light Gray  
LGRAY



Dark Blue  
DBLUE



Beige  
BEIG

#### SPECIFICATIONS

	U.S.	Metric
<b>Length:</b>	23 1/8 in	58.7 cm
<b>Width:</b>	11 in	27.9 cm
<b>Height:</b>	24 7/8 in	63.2 cm
<b>Mass Capacity [Nom]:</b>		
<b>Mass Capacity [Max]:</b>		
<b>Volume Capacity [Nom]:</b>	15 7/8 gal	60.1 L
<b>Volume Capacity [Max]:</b>		
<b>Volume Capacity [Min]:</b>		
<b>Carton Length:</b>		
<b>Carton Width:</b>		
<b>Carton Height:</b>		
<b>Carton Cube:</b>	6.02 ft3	0.17 m3
<b>Ship Weight/Carton:</b>	34.64 lb	15.71 kg

**Pack Quantity:** 4

**Cartons Per Pallet:** 8

**Material:** LLDPE

**Process:** Injection Molding

#### ADDITIONAL INFORMATION:

**Product Sell Sheets:** RCP\_FS548\_Slim\_Jim.pdf

**Chemical Resistance Guide:** chem.pdf

#### Products in Slim Jim® Containers

Item #	Description	Length	Width	Height	Mass Capacity	Volume Capacity	Certification
200	Wall Mount Receptacle w/ Concealed Lock & Self Closing Push Doors	19 in	39 in				Americans with Disabilities Act
3542-20	Slim Jim® Combo: 3541 (1) Light Gray; 2688-88 (1) Light Gray						
3540	Slim Jim® Waste Container	20 in	11 in	30 in		23 gal	
3541	Slim Jim® Waste Container with Handles	23 1/8 in	11 in	24 7/8		15 7/8 gal	

**Accessories for 3541:**

No.	Description
2688-88	Slim Jim® Handle Top for Slim Jim® Containers
2692-88	Slim Jim® Bottle and Can Recycling Top for Slim Jim® Containers
2703-88	Slim Jim® Paper Recycling Top for Slim Jim® Containers
3551-88	Slim Jim® Trolley for 3540, 3541 Containers
9W16	Slim Jim® Confidential Document Container Lids for 3540, 3541 Containers
2673-60	Slim Jim® Swing Lid for Slim Jim® Containers
2674	Slim Jim® Hinge Lid for Slim Jim® Containers
3553	Slim Jim® Stainless Steel Dolly for Slim Jim® Containers
9C77	Slim Caddy - Maid Caddy for WaveBrake® Mopping Trolley

**3541 is an Accessory to:**

No.	Description	Length	Mass Capacity	Height	Width
9T45	StockMate® ES Restocking Truck with Hinging Deck	63 in	1800 lb	19 1/4 in	19 1/4 in
9T50	StockMate® Restocking Truck, Standard Deck	63 in	1800 lb	33 5/8 in	19 1/8 in
9T52	StockMate® Restocking Truck, Standard Deck with Cardboard Management System, Polyurethane Wheel and Casters	63 in	1800 lb	64 1/4 in	18 in
9T56	StockMate® Restocking Truck, Utility Deck, Olefin Wheels and Casters	63 in	1500 lb	64 1/4 in	18 in
9W71	Mega BRUTE® Mobile Waste Collector - 3 Pack	52 1/2 in	400 lb	42 1/2 in	27 1/2 in
9W73	Mega BRUTE® Mobile Waste Collector - 1 Pack	52 1/2 in	400 lb	42 1/2 in	27 1/2 in

**Consumables/Replacement Parts for 3541**

No.	Fits	Description
5009-88	3540, 3541, 3542-20	Linear Low Density Can Liners

**Work Smarter.**

Rubbermaid Commercial Products, LLC  
3124 Valley Avenue, Winchester, VA 22601  
[www.rcpworksmarter.com](http://www.rcpworksmarter.com)



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Refrigerator, Domestic with Freezer

**Manufacturer:** Whirlpool Corporation ((800) 933-7001)

**Vendor:** Whirlpool Corporation ((800) 933-7001)

**Model:** GT1SHTXM w/Icemaker

Domestic refrigerator with top-mount freezer and internal chilled water dispenser, 20.9 cu. ft. Slide-out spillguard glass shelves, humidity-controlled crispers and gallon door bins.

**Atta ID:** 4942-027

**Alt ID:**

**Mfr #:** GT1SHTXM

**Vendor #:** GT1SHTXM

**CAD ID:** REF0347

**Item ID:**

#### General Product Detail

**Arch Sig:** Yes

**Spatially Sig:** No

**Arch Code:** 2 - Movable, Elect

**ADA:** No

**Custom Code:** Unassigned

**Antimicrobial:** No

**Furnish Install:** O/O

**Type:** Non-Medical

**Green:** No

#### Physical Requirements

**Width:** 32.50 in (826 mm)

**Left:** 0.50 in (13 mm)

**Depth:** 31.50 in (800 mm)

**Right:** 2.00 in (51 mm)

**Height:** 66.25 in (1683 mm)

**Front:** N/A

**Max Weight:** 250 lbs (113.4 kg)

**Back:** N/A

**Mounting:** Floor

**Top:** 0.50 in (13 mm)

**Bottom:** 0.50 in (13 mm)

#### Electrical Requirements

**Volts:** 115

**Watts:** N/A

**Hz:** 60

**Amps:** N/A

**Phase:** Single

**BTU/hr:** N/A

**KVA:**

**Ded. Circuit:** Yes

**Emer. Power:** No

**Plug Type:** Type B (NEMA 5-15)

#### Utility and Technology Requirements

**Water - Cold:** Yes

**Gasses:** No

**Water - Hot:** No

**Drain:** No

**Water - Treated:** No

**Steam:** No

**Vent:** No

**Vacuum - Dental:** No

**Tech Connect:** No

**Vacuum - Medical:** No

#### Structural Requirements

**Seismic:** No

**Pre-approval:**

#### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	C168	Tech Office	Existing (Reuse)	Draft (Existing)	1	Add per email from Sarah H
<b>Total:</b>					<b>1</b>	



# Refrigerator

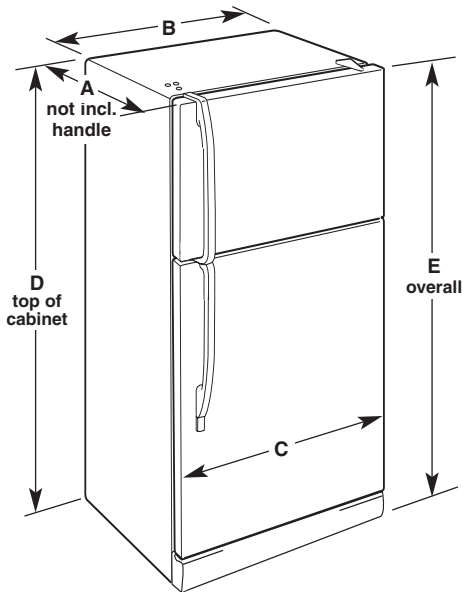
## PRODUCT MODEL NUMBERS

ET1FHTXM      GT1SHTXM  
ET2AHTXM  
ET9FHTXM

**Electrical:** A 115 Volt, 60 Hz., AC only 15 or 20 ampere fused, grounded electrical supply is required. It is recommended that a separate circuit serving only your refrigerator be provided. Use an outlet that cannot be turned off by a switch. Do not use an extension cord.

**Water:** A cold water supply with water pressure of between 30 and 120 psi (207 - 827 kPa) is required to operate the water dispenser and ice maker. If you have questions about your water pressure, call a licensed,  
If a reverse osmosis water filtration system is connected to your cold water supply, the water pressure to the reverse osmosis system needs to be a minimum of 40 to 60 psi (276 - 414 kPa).

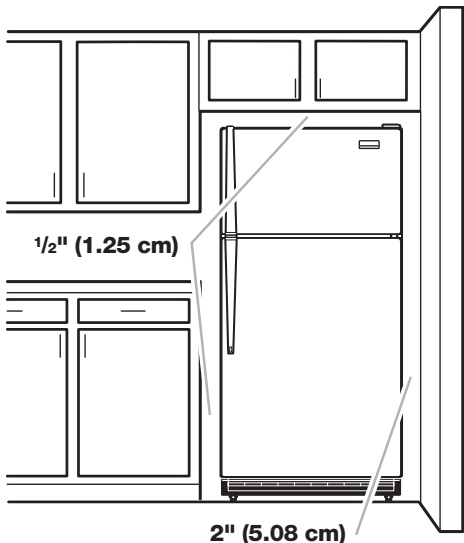
## OVERALL DIMENSIONS



Dimensions "D" and "E" include rollers extended 3/4".

Model	Depth "A"	Cab. Width "B"	Door Width "C"	Cab. Height "D"	Overall Height "E"
19 cu.ft.	30 3/4"	29 1/2"	29 3/4"	65 1/2"	66 1/4"
21 cu.ft.	29 3/8"	32 1/2"	32 3/4"	65 1/2"	66 1/4"
22 cu.ft.	30 3/4"	32 1/2"	32 3/4"	65 1/2"	66 1/4"

## LOCATION REQUIREMENTS



To ensure proper ventilation for your refrigerator, allow for a 1/2" (1.25 cm) space on each side and at the top. When installing your refrigerator next to a fixed wall, leave 2" (5.08 cm) minimum on the hinge side (some models require more) to allow for the door to swing open. If your refrigerator has an ice maker, allow extra space at the back for the water line connections.

**NOTE:** It is recommended that you do not install the refrigerator near an oven, radiator, or other heat source. Do not install the refrigerator in a location where the temperature will fall below 55°F (13°C).

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Scanner, Document, Flatbed

**Manufacturer:** Hewlett-Packard (650-857-1501)

**Vendor:** Hewlett-Packard (650-857-1501)

**Model:** Scanjet 5590

Flatbed scanner with 50 sheet automatic document feeder. Scans at 2400-dpi optical resolution and 48-bit color. Scan up to 8 pages - or 4 images - per minute and preview scans in about 7 seconds. Energy Star Qualified.

**Atta ID:** 4973-009

**Alt ID:**

**Mfr #:** L1910A#B1H

**Vendor #:** L1910A#B1H

**CAD ID:** SCN0006

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> Yes
<b>Arch Code:</b> 6 - IT/Computers	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Non-Medical
	<b>Green:</b> Yes

### Physical Requirements

<b>Width:</b> 19.25 in (489 mm)	<b>Left:</b> N/A
<b>Depth:</b> 13.50 in (343 mm)	<b>Right:</b> N/A
<b>Height:</b> 6.50 in (165 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 13 lbs (5.9 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> 36
<b>Hz:</b> 60	<b>Amps:</b> 1.5
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

Specification:

Structural:

Electrical:

Plumbing:

Mechanical:

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	G197	Admin	Existing (Reuse)	Draft (Existing)	1	011915 amendment to 123114 meeting notes - There is a separate existing scanner unit. 012015 - request mfg/mdel from user 012315 - Typical flatbed scanner added as mfg/model not received as of yet

**Total:** 1



Save time and increase efficiency with auto two-sided , multiple page scanning.

**Scan resolution:** 2400 x 2400 dpi<sup>1</sup>, 48 bit color depth, 256 grayscale levels

**Scan speed Preview mode:** Up to 7 sec<sup>2</sup>

**Scan media types:** Paper (banner, inkjet, photo, plain), envelopes, labels, cards (greeting, index), 3-D objects, 35 mm slides and negatives (using transparent materials adapter), iron-on transfers

**Enlargement range:** 10 to 2000% in 1% increments

**Features:** 50 sheet Automatic document feeder (two-sided), Transparent materials adapter: scans three slides or four 35 mm negative frames



## Two-sided, multi-page scans

- Unattended two-sided, multi-page scanning with included automatic document feeder.

## Fast

- Scan up to 8 pages—or 4 images—per minute and preview scans in about 7 seconds.
- Scan, copy, print, e-mail, and more—many features available using one-touch buttons.
- Plug and play using Hi-Speed USB-compatible with USB 2.0 specifications.
- Scan and e-mail photos and documents—no slow downloads or large attachments.

## Easy document management

- Scan documents with existing data management systems or included software.
- Choose copy quantity, settings, and more using convenient copy center buttons.

## Professional results

- High resolution scanning at 2400 dpi optical resolution and 48-bit color.
- Easy to learn and use software for graphic arts and digital photography projects.

## Scan more

- Scan slides and negatives with adapter, plus scan books, documents, 3-D objects, and more.

<sup>1</sup>The maximum dpi at which you can scan is limited by available computer memory, disk space, and other system factors.

<sup>2</sup>Scan speed: tests performed on a 1.7 GHz HP Vectra PC with 256 MB of RAM and Windows 2000.

## Technical specifications

<b>Scan Type</b>	Flatbed, ADF
<b>Scan Technology</b>	Charge coupled device (CCD), <b>Light source:</b> Xenon fluorescent lamp
<b>Control Panel</b>	5-button front panel: Scan document, Scan photo, File documents, E-mail, Copy center
<b>Scan Input Modes</b>	Front-panel: Scan document, Scan photo, File documents, E-mail, Copy center; HP Photosmart software; user application via TWAIN; automatic document feeder; transparent materials adapter (scanning 35 mm negatives and slides)
<b>Automatic Document Feeder</b>	<b>Capacity:</b> 50 sheets, <b>Paper sizes:</b> Legal, letter, A4, custom
<b>Daily US Letter or A4</b>	Up to 500 pages
<b>Transparent Materials Adapter</b>	Included, Satellite; three slides or four 35 mm negative frames
<b>Scan Resolution</b>	<b>Hardware:</b> 2400 x 2400 dpi, <b>Optical:</b> Up to 2400 dpi <b>Enhanced:</b> Up to 999999 dpi
<b>Color bit depth/Grayscale levels</b>	48-bit/256
<b>Preview Mode</b>	Up to 7 sec <sup>2</sup>
<b>Task Speed</b>	Less than 24 sec: 4 x 6-in color photo into Microsoft Word; less than 36 sec: OCR a full page of text into Microsoft Word; less than 18 sec: e-mail photo
<b>Enlargement Range</b>	10 to 2000% in 1% increments
<b>Scan Size Maximum</b>	<b>Maximum:</b> 8.5 x 11 in, <b>Maximum (ADF):</b> 8.5 x 14 in (one-sided); 8.5 x 12 in (two-sided) <b>Minimum (ADF):</b> 3.5 x 5 in (one-sided); 5 x 9 in (two-sided)
<b>Media Types</b>	Paper (banner, inkjet, photo, plain), envelopes, labels, cards (greeting, index), 3-D objects, 35 mm slides and negatives (using transparent materials adapter), iron-on transfers
<b>Photographic Format Types</b>	35 mm film strips, mounted slides, photos up to 8 x 11 in
<b>Scan File Formats</b>	<b>Windows:</b> BMP, JPEG, GIF, TIFF, TIFF compressed, PNG, PCX, Flashpix (FPX), PDF, PDF searchable, RTF, HTML, TXT; <b>Macintosh:</b> TIFF, PICT, JPEG, GIF, FlashPix, Plain Text, PDF, HTML, Rich Text
<b>Control Panel</b>	5 front-panel buttons (Copy, E-mail, File document, Scan document, Scan photo)
<b>Standard Connectivity</b>	Hi-Speed USB - compatible with USB 2.0 specifications
<b>Compatible Operating System</b>	Microsoft® Windows® 7 ready. For more information go to <a href="http://www.hp.com/go/Windows7">http://www.hp.com/go/Windows7</a> . Some features may not be available. Windows Vista®, Windows® XP, Windows® XP x64, Windows® 2000, Mac OS X v10.3.9, 10.4.11, 10.5, 10.6
<b>Minimum System Requirements</b>	<b>PC:</b> Microsoft® Windows® 7 ready (for more information go to <a href="http://www.hp.com/go/windows7">www.hp.com/go/windows7</a> . Some features may not be available), Windows Vista®: 1.3 GHz processor, 1 GB RAM (2 GB for 64-bit); Windows® XP: 1.3 GHz processor, 512 MB RAM (1 GB for 64-bit); Windows® 2000: 800 MHz processor, 256 MB RAM, for all systems: 450 MB available hard disk space (additional 500 MB and Hi-Speed USB 2.0 port recommended for extensive ADF use), CD-ROM drive, 800 x 600 SVGA monitor, 16-bit color  <b>Mac:</b> Mac OS X v10.2, 10.3, 10.4: PowerPC G3, G4, G5, or Intel Core processor, 128 MB RAM, 240 MB available hard disk space; Mac OS X v10.5: PowerPC G4, G5, or Intel Core processor, 512 MB RAM, 7 GB available hard disk space; Mac OS X v10.6 (available on HP.com): Intel Core processor, 1 GB RAM, 25 MB available hard disk space.
<b>Temperature</b>	<b>Maximum Operating:</b> 41 to 104° F (5 to 40° C); <b>Recommended Operating:</b> 50 to 95° F (10 to 35° C); <b>Storage Range:</b> -40 to 158° F (-40 to 70° C)

<b>Humidity</b>	<b>Operating:</b> 15 to 85% RH; <b>Storage:</b> 0 to 90% RH
<b>Electromagnetic compatibility</b>	EU (CE certification of conformity), North America (FCC), Australia (SMA), New Zealand (SMA), Russia (GOST), Korea (MIC), Taiwan (BSMI)
<b>Safety</b>	EU (IEC 60950 Third Edition Compliant, Third-Party Safety Certification), North America (Nationally-Recognized Testing Laboratories), Poland (PCBC), Russia (GOST)
<b>Power Supply Type</b>	External power adapter
<b>Power Features Description</b>	100 to 240 VAC, 50/60 Hz, 24 VDC, 1500 mA
<b>Power Consumption (maximum)</b>	36 watts maximum
<b>Power Supply Required</b>	100 to 240 VAC (+/- 10%), 50/60 Hz (+/- 3%)
<b>Dimensions (w x d x h)/weight</b>	19.21 x 13.39 x 6.38 in (488 x 340 x 162 mm)/12.6 lb (5.73 kg)
<b>Warranty</b>	One-year limited hardware warranty; 24-hour, 7 days a week phone support
<b>What's in the box?</b>	HP Scanjet 5590 digital flatbed scanner, Hi-Speed USB cable—compatible with USB 2.0 specifications, power cable, power supply (where applicable), automatic document feeder (ADF), ADF cleaning cloth, transparent materials adapter (TMA) for scanning slides and negatives, TMA instruction sheet, user's manual, setup poster, warranty sheet, CD-ROM(s) with software for Microsoft Windows and Macintosh: hp photo & imaging software with hp memories disc creator & hp instant share, Integrated I.R.I.S. Readiris OCR, NewSoft Presto! PageManager 7, hp commercial scanjet 5590 TWAIN, (Windows only)
<b>Service and support</b>	HP 3-year Next Business Day Exchange Service, UH260E HP 1-year Post Warranty Next Business Day Exchange Service, UH359PE HP 1-year Post Warranty Phone Support, HC126PE

For more information visit our website at [www.hp.com](http://www.hp.com)



**HP Product**  
HP Scanjet 5590 Digital Flatbed Scanner

**Part Number**  
L1910A

ENERGY STAR® qualified models; see: <http://www.hp.com/go/energystar>

<sup>1</sup>The maximum dpi at which you can scan is limited by available computer memory, disk space, and other system factors.  
<sup>2</sup>Scan speed: tests performed on a 1.7 GHz HP Vectra PC with 256 MB of RAM and Windows 2000.



## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Computer, Desktop

**Manufacturer:** Dell Inc. ((512) 338-4400)

**Vendor:** Dell Inc. ((512) 338-4400)

**Model:** Vostro 460 Mini Tower & Two E1911 - 19' Monitors

Desktop computer with two 19" widescreen E1911 flat panel monitors. Computer features Intel Pentium dual core processor, Windows 7 64-Bit operating system. Up to 16GB Dual Channel DDR3 SDRAM at 1333MHz - 4 DIMMS system memory, Intel H67 Express Chipset, video card, up to 1500 GB2 SATA hard drive, 16X DVD-ROM drive, 16X CD/DVD burner, 6x Blu-ray Disc Combo, and 6x Blu-ray Disc Writer. Actual list price will vary depending on configuration. Monitors with 1440x900 maximum resolution, 16:10 ratio.

**Atta ID:** 4988-033

**Alt ID:**

**Mfr #:**

**Vendor #:**

**CAD ID:** CMP0677

**Item ID:**

#### General Product Detail

**Arch Sig:** Yes

**Spatially Sig:** No

**Arch Code:** 6 - IT/Computers

**ADA:** No

**Custom Code:** Unassigned

**Antimicrobial:** No

**Furnish Install:** O/O

**Type:** Non-Medical

**Green:** No

#### Physical Requirements

**Width:** 7.00 in (178 mm)

**Left:** N/A

**Depth:** 17.75 in (451 mm)

**Right:** N/A

**Height:** 14.50 in (368 mm)

**Front:** N/A

**Max Weight:** 39 lbs (17.7 kg)

**Back:** N/A

**Mounting:** Counter/Cart/Table/Pole

**Top:** N/A

**Bottom:** N/A

#### Electrical Requirements

**Volts:** 120

**Watts:** 130

**Hz:** 60

**Amps:** 1.1

**Phase:** Single

**BTU/hr:** N/A

**KVA:**

**Ded. Circuit:** No

**Emer. Power:** No

**Plug Type:** Type B (NEMA 5-15)

#### Utility and Technology Requirements

**Water - Cold:** No

**Gasses:** No

**Water - Hot:** No

**Drain:** No

**Water - Treated:** No

**Steam:** No

**Vent:** No

**Vacuum - Dental:** No

**Tech Connect:** Yes

**Vacuum - Medical:** No

#### Structural Requirements

**Seismic:** No

**Pre-approval:**

#### Product and Project Item Notes

##### Specification:

Dimensions & electrical reflect tower only. Ensure adequate space and electrical available for two 19" monitors (17.44"W x 6.13"D x 14.32"H-Each; 120V, 60Hz, 22W-Each).

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	G197B	Admin Office	Existing (Reuse)	Draft (Existing)	1	Per 123114 meeting notes - The PC has two existing monitors
<b>Total:</b>					<b>1</b>	



## Vostro 460 Mini Tower

### Master Today, Conquer Tomorrow

★★★★☆ (4 Ratings) [write a review](#)



The powerful, feature-packed Vostro 460 mini tower is designed to handle today's toughest tasks while keeping you prepared for future needs.

Featuring 2nd generation Intel® Core™ processors

Supports multiple monitors for seamless, efficient multitasking.

Choose standard Intel® HD graphics or optional discrete graphics.



#### Processor

Intel® Core™ i7 (2600)

Intel® Core™ i5 (2500, 2400)

#### Operating System

Genuine Windows® 7 Ultimate 64-Bit

Genuine Windows® 7 Professional 64-Bit

Genuine Windows® 7 Home Premium 64-Bit

#### Memory<sup>3</sup>

Up to 16GB<sup>3</sup> Dual Channel DDR3 SDRAM at 1333Mhz - 4 DIMMS

#### Chipset

Intel® H67 Express

#### Video Card

1024MB NVIDIA® GeForce® GT420

1024MB AMD Radeon™ HD6670

1024MB AMD Radeon™ HD6450

Integrated Intel® 2000 Graphics Media Accelerator

#### Hard Drive

Up to 1500GB<sup>2</sup> SATA hard drive (7200RPM)

#### Optical Drive

16X DVD-ROM Drive

16X CD/DVD burner (DVD+/-RW) with double layer write capability

6x Blu-ray Disc™ (BD) Combo (Reads BD and Writes to DVD/CD)

6x Blu-ray Disc™ (BD) Writer (Writes to BD/DVD/CD)

#### Connectivity

##### Integrated:

10/100/1000 Ethernet



Dell 1525 Wireless WLAN 11n PCIe Card - Optional

## Ports, Slots & Chassis

### Standard I/O Ports

USB: 8 external USB Ports (4 front, 4 back); 2 USB 3.0 via add-on cards

Audio: Six back-panel connectors: microphone-in, line-in, and 4 line-out to support 7.1 audio jack; two front-panel connectors for headphone-output and microphone-in

Other: HDMI, VGA port, S/PDIF connector, eSATA, RJ-45 (10/100/1000 Ethernet)

### Expansion Slots

PCIe x1: 3Slots

PCIe x16 (Graphics): 1 Slot

3.5" Bays: 3 bays (1 external; 2 internal for Hard Disk Drives upgrades)

5.25" Bays: 2 bays (for Optical Disc Drives upgrades)

### Chassis

#### Weight & Dimensions:

Height: 362.90 mm (14.29 inches) with system feet

Width: 175.00 mm (6.89 inches)

Depth: 445.00 mm (17.52 inches)

Weight: 9.66kg – 11.22kg (21.30 lbs - 24.74 lbs)

## Multimedia

Dell 19-in-1 Media Card Reader (Optional)

## Security

Trend Micro Worry-Free Business Security Service (Up to 3 year subscription)

Physical security – Cable lock chassis security slot and padlock

### Backup Options

DataSafe Online

Dell Backup and Recovery Manager

## Power

#### Power Supply:

350W, 115/230VAC (Equipped with Selector Switch) 50/60Hz

#### Line Voltage:

100 ~ 240 V A.C 50~60Hz, Power 130W

## Regulatory

**Regulatory Model: D10M**

**Regulatory Type: D10M001**

Product Safety, EMC and Environmental Datasheets

Dell Regulatory Compliance Home Page

Dell and the Environment

## Dell E Series E1911 19" Monitor Details



### Expand your workplace efficiency

Enjoy quality viewing, energy-efficient performance and features essential for productivity with the Dell™ E Series E1911 19" Monitor. Designed with easy viewing in mind, the E1911 can be a long-lasting, valuable addition to your office.

- View multiple application windows on a single 19" (48cm) widescreen with 16:10 aspect ratio and 1440x900 maximum resolution
- Meets the latest environmental standards, including ENERGY STAR 5.0, TCO 5.0 and EPEAT Gold
- Easily connect to your PC with a standard VGA cable, or enjoy exceptional image quality and color uniformity with DVI-D (HDCP)

#### Dell E Series E1911 19" Monitor

### Display

**Diagonal Viewable Size:**

48.26cm (19 inches)

**Panel & Screen Type:**

TN- Twisted Nematic, active matrix - TFT LCD

**Max Preset Resolution:**

1440 x 900 at 60 Hz

**Contrast Ratio:**

1000 : 1 (typical)

**Backlight Technology:**

CCFL

**Brightness:**

250 cd/m<sup>2</sup>

**Response Time:**

5 ms panel (black to white)

**Max Viewing Angle (vertical/horizontal):**

160°(vertical) / 160°( horizontal)

**Color Support:**

Color Gamut (typical): 80% (CIE 1976)<sup>1</sup>

Color Depth: 16.7 million colors

**Pixel Pitch:**

0.284 mm

**Aspect Ratio:**

Widescreen (16:10)

**Display Screen Coating:**

Antiglare with hard-coating 3H

**Display Type:**

Flat Panel Display

**Flat Panel Mount Interface:**

VESA

### Connectivity

Video Graphics Array (VGA)

Digital Video Interface (DVI-D) with HDCP

# Dell E Series E1911 19" Monitor Details

Stand:

Tilt feature

On screen display controls (configurable)

**VESA Mounting Support:**

Yes, 100mm x 100mm (Wall mount sold separately).

**Security**

Security lock slot (cable lock sold separately)

Anti-theft stand lock slot (to panel)

**Color, Size and Packaging**

**Dimensions with stand (H x W x D)**

363.75mm (14.32 inches) x 442.95mm (17.44 inches)x  
155.73mm ( 6.13 inches)

**Dimensions without stand (H x W x D)**

289.45 mm (11.40 inches) x 442.95 mm (17.44 inches) x 59.00  
mm (2.32 inches)

**Preset Display Area (H X V)**

408.24 mm (16.08 inches) x 255.15 mm (10.05 inches)

**Weight (panel only - for VESA mount):**

6.94lbs (3.15kg)

**Weight (with packaging):**

10.75lbs (4.88kg)

**Environmental and Regulatory**

**Electrical**

**Voltage Required:**

100 to 240 VAC/50 or 60 Hz + 3 Hz/1.5 A (Max.)

**Power Consumption Operational:**

22 W (typical)/ 28 W (maximum)\*

**Power Consumption Stand by / Sleep:**

Less than 1W

\*Maximum power consumption with max luminance, Dell Soundbar, and  
USB active.

**Environmental**

**Temperature Range Operating:**

0° to 50° C (32° to 122°F)

**Temperature Range Non-operating:**

Storage : -20° to 60° (-4° to 140° F)

Shipping : -20° to 60° (-4° to 140° F)

**Humidity Range Operating:**

10% to 80% (non-condensing)

**Humidity Range Non-operating:**

Storage : 5% to 90% (non-condensing)

Shipping : 5% to 90% (non-condensing)

**Altitude Operating:**

3,657.6 m (12,000 ft) max

**Altitude Non-operating:**

12,192 m (40,000 ft) max

**Compliance and Standards**

TCO 5.

ENERGY STAR 5.0

EPEAT Gold

Halogen Reduced

**What's in the Box**

Monitor with stand

Power Cable

DVI Cable

VGA Cable (attached to the monitor)

Drivers and Documentation media

Quick Setup Guide

Product and Safety Information

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Computer, Desktop

**Manufacturer:** Dell Inc. ((512) 338-4400)

**Vendor:** Dell Inc. ((512) 338-4400)

**Model:** Vostro 460 Mini Tower & E1911 - 19' Monitor

Desktop computer with one 19" widescreen E1911 flat panel monitor. Computer features Intel Pentium dual core processor, Windows 7 64-Bit operating system. Up to 16GB Dual Channel DDR3 SDRAM at 1333MHz - 4 DIMMS system memory, Intel H67 Express Chipset, video card, up to 1500 GB2 SATA hard drive, 16X DVD-ROM drive, 16X CD/DVD burner, 6x Blu-ray Disc Combo, and 6x Blu-ray Disc Writer. Actual list price will vary depending on configuration. Monitor with 1440x900 maximum resolution, 16:10 ratio.

**Atta ID:** 4988-034

**Alt ID:**

**Mfr #:**

**Vendor #:**

**CAD ID:** CMP0678

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 6 - IT/Computers	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Non-Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 7.00 in (178 mm)	<b>Left:</b> N/A
<b>Depth:</b> 17.75 in (451 mm)	<b>Right:</b> N/A
<b>Height:</b> 14.50 in (368 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 32 lbs (14.5 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> 120	<b>Watts:</b> 130
<b>Hz:</b> 60	<b>Amps:</b> 1.1
<b>Phase:</b> Single	<b>BTU/hr:</b> N/A
<b>KVA:</b>	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> Type B (NEMA 5-15)

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> Yes	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

Dimensions & electrical reflect tower only. Ensure adequate space and electrical available for one 19" monitor (17.44"W x 6.13"D x 14.32"H-Each; 120V, 60Hz, 22W.)

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	G197	Admin	Existing (Reuse)	Draft (Existing)	1	011915 addendum to 123114 meeting notes - There is only one desktop computer 4988-034, and it is existing
Nuclear Medicine	B174	Admin/Control	Existing (Reuse)	Draft (Existing)	1	Per Sarah H email 040115 - 1 desktop computer [4988-034]; 1 waste can
Nuclear Medicine	G194	Library	Existing (Reuse)	Draft (Existing)	1	Per note - existing
Nuclear Medicine	C169	NM Physician Office	Existing (Reuse)	Draft (Existing)	1	per notes - computer + printer Per 123114 meeting notes - the desktop computer is existing not new
Nuclear Medicine	A156C	NM Read/Viewing	Existing (Reuse)	Draft (Existing)	2	Per notes - (2) computer - PC box mounted below, monitor /keyboard/mouse on top of counter, wall shelf per 123114 meeting notes - the desktop

						PC's are existing
Nuclear Medicine	B131	NM Stress	Existing (Reuse)	Draft (Existing)	1	Per 020415 meeting notes - computer 4988-034 to be wall mounted
Nuclear Medicine	B164	Nurse	Existing (Reuse)	Draft (Existing)	1	
Nuclear Medicine	G197A	Office	Existing (Reuse)	Draft (Existing)	1	Per note - exist
Nuclear Medicine	B130	PET/CT Control	Existing (Reuse)	Draft (Existing)	1	Hospital reused computer. per note - existing
Nuclear Medicine	A156B	Treadmill	Existing (Reuse)	Draft (Existing)	1	Updated per email from Sarah H
					<b>Total:</b>	<b>11</b>



## Vostro 460 Mini Tower

### Master Today, Conquer Tomorrow

★★★★☆ (4 Ratings) [write a review](#)



The powerful, feature-packed Vostro 460 mini tower is designed to handle today's toughest tasks while keeping you prepared for future needs.

Featuring 2nd generation Intel® Core™ processors

Supports multiple monitors for seamless, efficient multitasking.

Choose standard Intel® HD graphics or optional discrete graphics.



#### Processor

Intel® Core™ i7 (2600)

Intel® Core™ i5 (2500, 2400)

#### Operating System

Genuine Windows® 7 Ultimate 64-Bit

Genuine Windows® 7 Professional 64-Bit

Genuine Windows® 7 Home Premium 64-Bit

#### Memory<sup>3</sup>

Up to 16GB<sup>3</sup> Dual Channel DDR3 SDRAM at 1333Mhz - 4 DIMMS

#### Chipset

Intel® H67 Express

#### Video Card

1024MB NVIDIA® GeForce® GT420

1024MB AMD Radeon™ HD6670

1024MB AMD Radeon™ HD6450

Integrated Intel® 2000 Graphics Media Accelerator

#### Hard Drive

Up to 1500GB<sup>2</sup> SATA hard drive (7200RPM)

#### Optical Drive

16X DVD-ROM Drive

16X CD/DVD burner (DVD+/-RW) with double layer write capability

6x Blu-ray Disc™ (BD) Combo (Reads BD and Writes to DVD/CD)

6x Blu-ray Disc™ (BD) Writer (Writes to BD/DVD/CD)

#### Connectivity

##### Integrated:

10/100/1000 Ethernet

Dell 1525 Wireless WLAN 11n PCIe Card - Optional

## Ports, Slots & Chassis

### Standard I/O Ports

USB: 8 external USB Ports (4 front, 4 back); 2 USB 3.0 via add-on cards

Audio: Six back-panel connectors: microphone-in, line-in, and 4 line-out to support 7.1 audio jack; two front-panel connectors for headphone-output and microphone-in

Other: HDMI, VGA port, S/PDIF connector, eSATA, RJ-45 (10/100/1000 Ethernet)

### Expansion Slots

PCIe x1: 3Slots

PCIe x16 (Graphics): 1 Slot

3.5" Bays: 3 bays (1 external; 2 internal for Hard Disk Drives upgrades)

5.25" Bays: 2 bays (for Optical Disc Drives upgrades)

### Chassis

#### Weight & Dimensions:

Height: 362.90 mm (14.29 inches) with system feet

Width: 175.00 mm (6.89 inches)

Depth: 445.00 mm (17.52 inches)

Weight: 9.66kg – 11.22kg (21.30 lbs - 24.74 lbs)

## Multimedia

Dell 19-in-1 Media Card Reader (Optional)

## Security

Trend Micro Worry-Free Business Security Service (Up to 3 year subscription)

Physical security – Cable lock chassis security slot and padlock

### Backup Options

DataSafe Online

Dell Backup and Recovery Manager

## Power

#### Power Supply:

350W, 115/230VAC (Equipped with Selector Switch) 50/60Hz

#### Line Voltage:

100 ~ 240 V A.C 50~60Hz, Power 130W

## Regulatory

**Regulatory Model: D10M**

**Regulatory Type: D10M001**

Product Safety, EMC and Environmental Datasheets

Dell Regulatory Compliance Home Page

Dell and the Environment



## Dell E Series E1911 19" Monitor Details



### Expand your workplace efficiency

Enjoy quality viewing, energy-efficient performance and features essential for productivity with the Dell™ E Series E1911 19" Monitor. Designed with easy viewing in mind, the E1911 can be a long-lasting, valuable addition to your office.

- View multiple application windows on a single 19" (48cm) widescreen with 16:10 aspect ratio and 1440x900 maximum resolution
- Meets the latest environmental standards, including ENERGY STAR 5.0, TCO 5.0 and EPEAT Gold
- Easily connect to your PC with a standard VGA cable, or enjoy exceptional image quality and color uniformity with DVI-D (HDCP)

### Dell E Series E1911 19" Monitor

#### Display

**Diagonal Viewable Size:**

48.26cm (19 inches)

**Panel & Screen Type:**

TN- Twisted Nematic, active matrix - TFT LCD

**Max Preset Resolution:**

1440 x 900 at 60 Hz

**Contrast Ratio:**

1000 : 1 (typical)

**Backlight Technology:**

CCFL

**Brightness:**

250 cd/m<sup>2</sup>

**Response Time:**

5 ms panel (black to white)

**Max Viewing Angle (vertical/horizontal):**

160°(vertical) / 160°( horizontal)

**Color Support:**

Color Gamut (typical): 80% (CIE 1976)<sup>1</sup>

Color Depth: 16.7 million colors

**Pixel Pitch:**

0.284 mm

**Aspect Ratio:**

Widescreen (16:10)

**Display Screen Coating:**

Antiglare with hard-coating 3H

**Display Type:**

Flat Panel Display

**Flat Panel Mount Interface:**

VESA

#### Connectivity

Video Graphics Array (VGA)

Digital Video Interface (DVI-D) with HDCP

# Dell E Series E1911 19" Monitor Details

Stand:

Tilt feature

On screen display controls (configurable)

**VESA Mounting Support:**

Yes, 100mm x 100mm (Wall mount sold separately).

**Security**

Security lock slot (cable lock sold separately)

Anti-theft stand lock slot (to panel)

**Color, Size and Packaging**

**Dimensions with stand (H x W x D)**

363.75mm (14.32 inches) x 442.95mm (17.44 inches)x  
155.73mm ( 6.13 inches)

**Dimensions without stand (H x W x D)**

289.45 mm (11.40 inches) x 442.95 mm (17.44 inches) x 59.00  
mm (2.32 inches)

**Preset Display Area (H X V)**

408.24 mm (16.08 inches) x 255.15 mm (10.05 inches)

**Weight (panel only - for VESA mount):**

6.94lbs (3.15kg)

**Weight (with packaging):**

10.75lbs (4.88kg)

**Environmental and Regulatory**

**Electrical**

**Voltage Required:**

100 to 240 VAC/50 or 60 Hz + 3 Hz/1.5 A (Max.)

**Power Consumption Operational:**

22 W (typical)/ 28 W (maximum)\*

**Power Consumption Stand by / Sleep:**

Less than 1W

\*Maximum power consumption with max luminance, Dell Soundbar, and  
USB active.

**Environmental**

**Temperature Range Operating:**

0° to 50° C (32° to 122°F)

**Temperature Range Non-operating:**

Storage : -20° to 60° (-4° to 140° F)

Shipping : -20° to 60° (-4° to 140° F)

**Humidity Range Operating:**

10% to 80% (non-condensing)

**Humidity Range Non-operating:**

Storage : 5% to 90% (non-condensing)

Shipping : 5% to 90% (non-condensing)

**Altitude Operating:**

3,657.6 m (12,000 ft) max

**Altitude Non-operating:**

12,192 m (40,000 ft) max

**Compliance and Standards**

TCO 5.

ENERGY STAR 5.0

EPEAT Gold

Halogen Reduced

**What's in the Box**

Monitor with stand

Power Cable

DVI Cable

VGA Cable (attached to the monitor)

Drivers and Documentation media

Quick Setup Guide

Product and Safety Information

## VA Columbia MO - Nuclear Medicine Specification Coversheet



**Description:** Cover, Cart, Allowance

**Manufacturer:** InterMetro Industries Corporation ((570) 825-2741)

**Vendor:** InterMetro Industries Corporation ((570) 825-2741)

**Model:** TBD

**Atta ID:** 5025-002

**Alt ID:**

**Mfr #:** TBD

**Vendor #:** TBD

**CAD ID:** COV0001

**Item ID:**

### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> Yes
<b>Arch Code:</b> 3 - Movable, Non-Elect	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Medical
	<b>Green:</b> No

### Physical Requirements

<b>Width:</b> 48.00 in (1219 mm)	<b>Left:</b> N/A
<b>Depth:</b> 24.00 in (610 mm)	<b>Right:</b> N/A
<b>Height:</b> 62.00 in (1575 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 5 lbs (2.0 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Counter/Cart/Table/Pole	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B118A	Crash Cart Alcove	Project	Draft (New)	1	
<b>Total:</b>					<b>1</b>	



Item# \_\_\_\_\_

Job \_\_\_\_\_



## METRO™ COVERS FOR SHELF CARTS AND SHELF TRUCKS

- **Help protect** contents from dust and other air-borne contaminants. This allows units to be loaded and stored for longer periods of time before being transported. Covers also deter pilferage.
- **Lightweight**
- **Uncoated & Coated Covers**  
**Uncoated** — White: Made of 100% knitted polyester, 8 oz. (.23 kg) per square yard.  
Colored: 200 denier nylon.  
Both types are machine washable.  
(See note below.)  
**Coated** — Made of Herculite (Staph-Chek\*) coated fabric vinyl-nylon which resists bacteria, odor, mildew and flames. It's waterproof; perfect for indoor/outdoor use.
- **Reinforced Corners:** Help prevent tears and add greatly to durability of covers.
- **Available with Velcro Closures or Aluminum Zippers**
- **Assortment of Colors:** Standard color is white. Uncoated and coated covers are also available to order in Mariner Blue, Rosewood and Teal.
- **Choice of Many Sizes:** See listing on back of page.

**Note:** Please refer to label on inside seam of each cover for washing instructions. If additional information is necessary, consult your Metro representative.

\*Trademark of Herculite Protective Fabrics Corp.



*Covers entire cart/truck. Shown in Teal.*



*Panel folds back for easy shelf accessibility.*



**InterMetro Industries Corporation**  
North Washington Street  
Wilkes-Barre, PA 18705  
[www.metro.com](http://www.metro.com)



# METRO™ COVERS FOR SHELF CARTS AND SHELF TRUCKS

				WHITE NYLON UNCOATED		WHITE VINYL COATED	
Length (in.)	(mm)	Height (in.)	(mm)	Zippered Closure Cat. No.	Velcro Closure Cat. No.	Zippered Closure Cat. No.	Velcro Closure Cat. No.
<b>FOR SHELF TRUCKS &amp; CARTS 18" (455mm) WIDE</b>							
36	910	54	1370	18X36X54UC	18X36X54VUC	18X36X54C	18X36X54VC
36	910	62	1575	18X36X62UC	18X36X62VUC	18X36X62C	18X36X62VC
48	1220	54	1370	18X48X54UC	18X48X54VUC	18X48X54C	18X48X54VC
48	1220	62	1575	18X48X62UC	18X48X62VUC	18X48X62C	18X48X62VC
60	1525	54	1370	18X60X54UC	18X60X54VUC	18X60X54C	18X60X54VC
60	1525	62	1575	18X60X62UC	18X60X62VUC	18X60X62C	18X60X62VC
<b>FOR SHELF TRUCKS &amp; CARTS 21" (530mm) WIDE</b>							
48	1220	54	1370	21X48X54UC	21X48X54VUC	21X48X54C	21X48X54VC
48	1220	62	1575	21X48X62UC	21X48X62VUC	21X48X62C	21X48X62VC
48	1220	74	1880	21X48X74UC	21X48X74VUC	21X48X74C	21X48X74VC
60	1525	54	1370	21X60X54UC	21X60X54VUC	21X60X54C	21X60X54VC
60	1525	62	1575	21X60X62UC	21X60X62VUC	21X60X62C	21X60X62VC
60	1525	74	1880	21X60X74UC	21X60X74VUC	21X60X74C	21X60X74VC
<b>FOR SHELF TRUCKS &amp; CARTS 24" (610mm) WIDE</b>							
36	910	54	1370	24X36X54UC	24X36X54VUC	24X36X54C	24X36X54VC
36	910	62	1575	24X36X62UC	24X36X62VUC	24X36X62C	24X36X62VC
36	910	74	1880	24X36X74UC	24X36X74VUC	24X36X74C	24X36X74VC
48	1220	54	1370	24X48X54UC	24X48X54VUC	24X48X54C	24X48X54VC
48	1220	62	1575	24X48X62UC	24X48X62VUC	24X48X62C	24X48X62VC
48	1220	74	1880	24X48X74UC	24X48X74VUC	24X48X74C	24X48X74VC
60	1525	54	1370	24X60X54UC	24X60X54VUC	24X60X54C	24X60X54VC
60	1525	62	1575	24X60X62UC	24X60X62VUC	24X60X62C	24X60X62VC
60	1525	74	1880	24X60X74UC	24X60X74VUC	24X60X74C	24X60X74VC
72	1825	54	1370	24X72X54UC	24X72X54VUC	24X72X54C	24X72X54VC
72	1825	62	1575	24X72X62UC	24X72X62VUC	24X72X62C	24X72X62VC
72	1825	74	1880	24X72X74UC	24X72X74VUC	24X72X74C	24X72X74VC

Cart covers are non-returnable.

**NOTE 1:** 86" (2185mm) high covers, in 24" (610mm) width, available by special order.

**NOTE 2:** Uncoated and Coated Covers are also available in Teal (T), Mariner Blue (MB), and Rosewood (R).

When ordering a color other than white, add specified suffix to the end of the model number. For Example: **18X36X54UCMB** denotes an uncoated zippered cover in Mariner Blue.



Teal (T)



Mariner Blue (MB)



Rosewood (RW)

Manufactured by:



**InterMetro Industries Corporation**

North Washington Street, Wilkes-Barre, PA 18705

Phone: 570-825-2741 • Fax: 570-825-2852

For Product Information Call: 1-800-433-2232

Visit Our Web Site: [www.metro.com](http://www.metro.com)

L02-051  
Rev. 12/99  
Printed in U.S.A.

Information and specifications are subject to change without notice. Please confirm at time of order.

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Chair, Interiors, Side

**Manufacturer:** izzy+ / Harter ((855) 321-4999)

**Vendor:** izzy+ / Harter ((855) 321-4999)

**Model:** Clio

Guest chair, armless. Features mid-back with upholstered outer back shell, stackable, with 4-leg base of 7/8" steel tubing, and glides. P10 black is standard frame finish. Must select upholstery. Price is for mid-grade 3 fabric.

**Atta ID:** 5056-074

**Alt ID:**

**Mfr #:** N94F43

**Vendor #:** N94F43

**CAD ID:** CHR0130

**Item ID:**

#### General Product Detail

**Arch Sig:** No

**Spatially Sig:** No

**Arch Code:** 5 - Furniture

**ADA:** No

**Custom Code:** Unassigned

**Antimicrobial:** No

**Furnish Install:** O/O

**Type:** Non-Medical

**Green:** Yes

#### Physical Requirements

**Width:** 19.50 in (495 mm)

**Left:** N/A

**Depth:** 18.00 in (457 mm)

**Right:** N/A

**Height:** 33.50 in (851 mm)

**Front:** N/A

**Max Weight:** 9 lbs (4.1 kg)

**Back:** N/A

**Mounting:** Floor

**Top:** N/A

**Bottom:** N/A

#### Electrical Requirements

**Volts:** N/A

**Watts:** N/A

**Hz:** N/A

**Amps:** N/A

**Phase:** N/A

**BTU/hr:** N/A

**KVA:** N/A

**Ded. Circuit:** No

**Emer. Power:** No

**Plug Type:** N/A

#### Utility and Technology Requirements

**Water - Cold:** No

**Gasses:** No

**Water - Hot:** No

**Drain:** No

**Water - Treated:** No

**Steam:** No

**Vent:** No

**Vacuum - Dental:** No

**Tech Connect:** No

**Vacuum - Medical:** No

#### Structural Requirements

**Seismic:** No

**Pre-approval:**

#### Product and Project Item Notes

##### Specification:

26 lbs. is for 3 per carton. Each chair weighs approximately 8.6 lbs.

##### Structural:

##### Electrical:

##### Plumbing:

##### Mechanical:

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	G194	Library	Project	Draft (New)	4	Per notes - round table + chairs Per 123114 meeting notes - Provide 4 chairs at the circular table instead of two 011915 amendment to 123114 meeting notes - VA - if space allows
<b>Total:</b>					<b>4</b>	

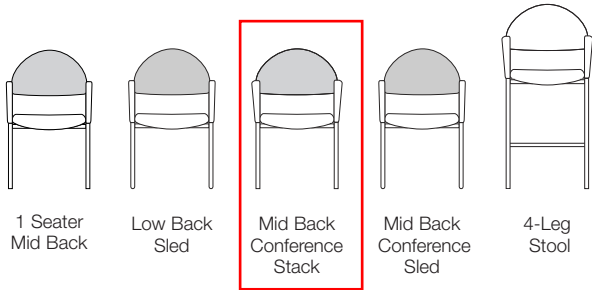




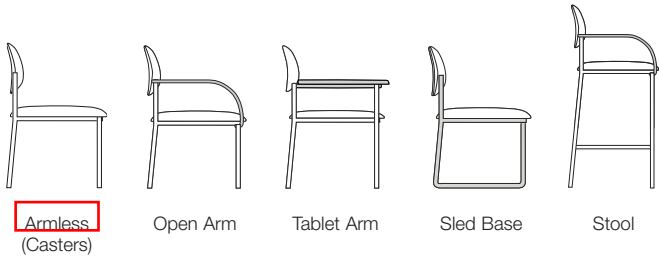
Clio

Whether used as a side chair or a stacking unit—or as a conference piece with enhanced arms and padding—Clio is an easy solution for today’s just-in-time office systems. Easy to put away but hard to ignore, Clio is comfortably cushioned and a natural fit for impromptu meetings, waiting rooms, lounges, and conference areas.

Sizes



Styles



Dimensions

	Low Back Stack	Mid Back Conference Stack	Mid Back Conference Sled	4-Leg Stool
Overall Width	19½" (w/arm 22½")	19½" (w/arm 24")	19" (w/arm 24")	19½" (w/arm 22½")
Overall Height	32½"	33½"	33½"	44½"
Arm Height (to floor)	26" (tablet arm + ½")	26"	26"	38"
Seat Depth	17"	17"	17"	17"
Seat Width	17½"	17½"	17½"	17½"
Seat Height	17¾" (wood seat 17¼")	17¾"	17¾"	30"
Back Width	18"	19"	18"	18"
Back Height	15½"	16½"	16½"	15½"
Table Width	12¼"			
Table Length	20½"			

Materials

**Upholstery** izzy+ flavors™ Textile Collection  
**Wood Veneers** Maple, Sand, Beech, Cherry, Mahogany, Walnut, Anthracite, Wenge, Opaque White  
**Tablet Laminates** CORE SOLID Dover White, Pearl, Folkstone, Platinum, Earth, Citadel, Graphite, Black  
**Tablet T-Molds** Earth, Citadel, Graphite, Black  
**Frame Finishes** White, Silver, Oatmeal, Charcoal, Black, Mirror

Product Shown

**Cover** Low Back Stack, COM Textus Mica Primary Red, Mirror Frame | Mid Back Conference Stack, Arms, Maple Veneer, Mirror Frame  
**Inside** Mid Back, Conference Stack, Arms, Momentum Solace Mineral, Mirror Frame | 4-Leg Stool, COM Textus Mica Primary Red, Mirror Frame | Low Back Tablet Arm, Momentum Beeline Eucalyptus, Black Tablet with Black T-Mold, Black Frame | Mid Back Conference Stack, Arms, Maple Veneer, Mirror Frame | Low Back Stackers, COM Textus Mica Silver, Chartreuse, Primary Orange, Primary Red, Mirror Frame | Low Back, Momentum Solace Paprika, Mirror Frame w/Caster

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** Chair, Interiors, Side

**Manufacturer:** Nemschoff Inc ((800) 203-8916)

**Vendor:** Nemschoff Inc ((800) 203-8916)

**Model:** Reliant RE10

**Atta ID:** 5056-079

**Alt ID:**

**Mfr #:** RE10

**Vendor #:** RE10

**CAD ID:** CHR0138

**Item ID:**

Guest chair. Upholstered seat and back with heavy duty metal construction. Features powder-coated frame, wipe-out design, replaceable components, wood arm caps, non-marring glides, and GREENGUARD Gold Certified. Must select upholstery, wood finish, and powder coat finish. Price is for Grade 5 fabric. GREENGUARD Certified.

#### General Product Detail

<b>Arch Sig:</b> No	<b>Spatially Sig:</b> No
<b>Arch Code:</b> 5 - Furniture	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/O	<b>Type:</b> Non-Medical
	<b>Green:</b> Yes

#### Electrical Requirements

<b>Volts:</b> N/A	<b>Watts:</b> N/A
<b>Hz:</b> N/A	<b>Amps:</b> N/A
<b>Phase:</b> N/A	<b>BTU/hr:</b> N/A
<b>KVA:</b> N/A	<b>Ded. Circuit:</b> No
<b>Emer. Power:</b> No	<b>Plug Type:</b> N/A

#### Physical Requirements

<b>Width:</b> 23.00 in (584 mm)	<b>Left:</b> N/A
<b>Depth:</b> 25.00 in (635 mm)	<b>Right:</b> N/A
<b>Height:</b> 32.00 in (813 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> 33 lbs (15.0 kg)	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> No	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> No	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	G197B	Admin Office	Project	Draft (New)	2	per notes - 3 chair (1 office + 2 visitor)
Nuclear Medicine	C169	NM Physician Office	Project	Draft (New)	1	per notes - guest chair
Nuclear Medicine	G197A	Office	Project	Draft (New)	2	Per note - (3) chairs - (1 office arm + 2 visitors) (new)
Nuclear Medicine	B126	SPECT/CT Hot Wait	Project	Draft (New)	9	
<b>Total:</b>					<b>14</b>	

## Reliant Multiple Seating



### More Information

Illustrated Glossary ▶ 409

Fabrics ▶ 421

Flammability (CTB-133) ▶ 429

Finishes ▶ 426

Ordering and Warranties ▶ 432

### Standard Features

- Heavy-duty metal construction
- Powder-coated frame
- Wipe-out design
- Replaceable components
- Wood arm caps
- Non-marring glides
- Plastic seat and back (select models)
- Veneer tabletops (select models)
- Nemschoff healthcare wood finish
- GREENGUARD Gold Certified
- Limited Lifetime Warranty
- See nemschoff.com for weight ratings (RE18)

### Available Options

- Moisture barrier + \$69 per seat or back
- Black urethane arm caps + \$116
- Removable covers + \$174 per chair seat and back + \$346 per settee seat and back
- CTB-133 + \$83/yd
- Two fabrics + \$64
- Three (or more) fabrics + \$90
- Attached tables (LSF, RSF – see price table)

### Specification Decisions

- Select model with plastic seat and back, or upholstered seat and back
- Select plastic seat and back color (models RE40, RES40)

**OUS** Light Sand Speckle    **OSS** Dark Sand Speckle

**7KS** Light Grey Speckle    **6KS** Dark Grey Speckle

- Select fabric
- Select standard wood finish
- Select powder coat finish
- Add moisture barrier
- Add CTB-133
- Apply multiple fabrics
- Add attached table
- Add removable covers

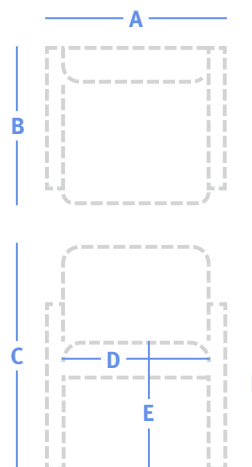
### Flammability Type

- Type 3
- Type 4 (Plus models)

### Coordinating Products

- Reliant Tables

### Key Dimensions



<b>A</b>	Overall Width	See price table
<b>B</b>	Overall Depth	25"
<b>C</b>	Overall Height	32"
<b>D</b>	Seat Width	
	Chair:	19.5", 22", 30"
	Two Seat:	19.5", 39", 44"
	Three Seat:	19.5", 58.5", 66"
<b>E</b>	Seat Height	17.5"
<b>F</b>	Arm Height	26"

# Reliant Multiple Seating

## Upholstered Seat and Back

 	<b>23" W, Chair, upholstered seat and back</b>	33 lbs   1.5 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RE10</b>	\$1,246	\$1,270	\$1,376	\$1,432	\$1,463	\$1,503	\$1,529	\$1,270
 	<b>25.5" W, Chair, upholstered seat and back</b>	34 lbs   1.75 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RE15</b>	\$1,413	\$1,441	\$1,564	\$1,630	\$1,666	\$1,713	\$1,743	\$1,441
 	<b>33.5" W, Plus chair</b>	41 lbs   2 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RE18</b>	\$2,154	\$2,186	\$2,327	\$2,402	\$2,443	\$2,497	\$2,531	\$2,186
	<b>44" W, Two seat, upholstered seat and back</b>	63 lbs   3 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RES10-2</b>	\$2,519	\$2,567	\$2,778	\$2,891	\$2,952	\$3,033	\$3,084	\$2,567
	<b>49" W, Two seat, upholstered seat and back</b>	65 lbs   3.25 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RES15-2</b>	\$2,911	\$2,963	\$3,191	\$3,314	\$3,380	\$3,468	\$3,524	\$2,963
	<b>44" W, Two seat with intervening arm and leg, upholstered seat and back</b>	63 lbs   3 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RE10-2</b>	\$2,283	\$2,331	\$2,542	\$2,655	\$2,716	\$2,797	\$2,848	\$2,331
	<b>49" W, Two seat with intervening arm and leg, upholstered seat and back</b>	65 lbs   3.25 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RE15-2</b>	\$2,493	\$2,545	\$2,773	\$2,896	\$2,962	\$3,050	\$3,106	\$2,545
	<b>44" W, Settee, upholstered seat and back</b>	57 lbs   3.25 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RES10-2-LS</b>	\$2,279	\$2,331	\$2,559	\$2,682	\$2,748	\$2,836	\$2,892	\$2,331
	<b>49" W, Settee, upholstered seat and back</b>	59 lbs   3.5 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RES15-2-LS</b>	\$2,489	\$2,545	\$2,791	\$2,922	\$2,994	\$3,088	\$3,149	\$2,545
	<b>65.5" W, Three seat, upholstered seat and back</b>	83 lbs   4.5 yds							
	Model	Series 2	Series 3	Series 4	Series 5	Series 6	Series 7	Series 8	COM
	<b>RES10-3</b>	\$3,416	\$3,488	\$3,804	\$3,973	\$4,065	\$4,186	\$4,264	\$3,488

## VA Columbia MO - Nuclear Medicine

### Specification Coversheet



**Description:** PET Scanner, CT

**Manufacturer:** GE Healthcare - Imaging Systems (800-886-0815)

**Vendor:** GE Healthcare - Imaging Systems (800-886-0815)

**Model:** Discovery PET/CT 710 (64 Slice)

**Atta ID:** 5090-037

**Alt ID:**

**Mfr #:** F7030PT

**Vendor #:** F7030PT

**CAD ID:** PET0095

**Item ID:**

PET/CT System, 64-slice detector. Integrated gantry and operator console. Gantry contains an Optima CT 660 with Performix 40 X-Ray tube and volume 64-slice detector, 24 PET detector rings. Patient imaging table with head holder, patient security straps and comfort accessories. Features VUE Point HD utilizing full 3D iterative reconstruction, technique, WideView (PET reconstructed transaxial Field of View coverage of 70cm diameter with CT based PET attenuation correction and CT wide FOV Display), 4Dx with VIP replay, motion management tools.

#### General Product Detail

<b>Arch Sig:</b> Yes	<b>Spatially Sig:</b> Yes
<b>Arch Code:</b> 1 - Fixed	<b>ADA:</b> No
<b>Custom Code:</b> Unassigned	<b>Antimicrobial:</b> No
<b>Furnish Install:</b> O/V	<b>Green:</b> No
<b>Type:</b> Medical	

#### Electrical Requirements

<b>Volts:</b> 480	<b>Watts:</b> *
<b>Hz:</b> 60	<b>Amps:</b> 30
<b>Phase:</b> 3-Phase	<b>BTU/hr:</b> 24740
<b>KVA:</b>	<b>Ded. Circuit:</b> Yes
<b>Emer. Power:</b> No	<b>Plug Type:</b> Hardwire

#### Physical Requirements

<b>Width:</b> 88.50 in (2248 mm)	<b>Left:</b> N/A
<b>Depth:</b> 252.75 in (6420 mm)	<b>Right:</b> N/A
<b>Height:</b> 76.00 in (1930 mm)	<b>Front:</b> N/A
<b>Max Weight:</b> *	<b>Back:</b> N/A
<b>Mounting:</b> Floor	<b>Top:</b> N/A
	<b>Bottom:</b> N/A

#### Utility and Technology Requirements

<b>Water - Cold:</b> No	<b>Gasses:</b> No
<b>Water - Hot:</b> No	<b>Drain:</b> No
<b>Water - Treated:</b> No	<b>Steam:</b> No
<b>Vent:</b> No	<b>Vacuum - Dental:</b> No
<b>Tech Connect:</b> Yes	<b>Vacuum - Medical:</b> No

#### Structural Requirements

<b>Seismic:</b> Yes	<b>Pre-approval:</b>
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#### Product and Project Item Notes

**Specification:**

BTU/HR reflects PET/CT 710 only.

Dimensions reflect Gantry and Patient Table only. System includes multiple components, see cutsheet for important planning details.

**Structural:**

**Electrical:**

**Plumbing:**

**Mechanical:**

#### Location

Department	Room#	Room	Funding Source	Item Status	Qty	Item Notes
Nuclear Medicine	B129	PET/CT	Project	Draft (New)	1	
<b>Total:</b>					<b>1</b>	



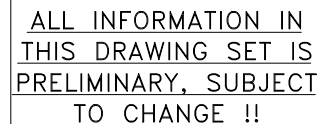
EQUIPMENT ON ORDER FROM GE HEALTHCARE, INSTALLED BY GE HEALTHCARE, PER GON 4016511 DATED 30.Apr.12	EQUIPMENT CROSS REFERENCE CHART
NOTE: LOCAL CONDITIONS MAY DICTATE THAT ITEMS IDENTIFIED IN THIS CATEGORY BE INSTALLED BY OTHERS.	P = PREAPPROVAL C = CALCULATIONS/ PENDING APPROVAL S = STATUS D = DEDUCTIBLE/PAID

THE FOLLOWING ITEMS, WHICH HAVE BEEN ORDERED FROM GE HEALTHCARE,  
ARE TO BE INSTALLED BY THE CUSTOMER OR HIS CONTRACTOR.

SCALE: 1/4" = 1'-0"

CEILING HEIGHT = 9'-0"

This equipment layout indicates the placement and interconnection of the indicated equipment components. There may be federal, state, and/or local requirements that could impact the placement of these components. It remains the Customer's responsibility for ensuring the site and final equipment placement complies with all applicable federal, state, and/or local requirements.



Drawn by: MARC MAJEWSKI Octel no.: 7984484  
GE Installation  
Project Manager: RICK CURRY  
Telephone no.: 610-485-5311

CUSTOMER/CONTRACTOR SUPPLIED AND INSTALLED ITEMS
--

THE FOLLOWING ITEMS ARE AVAILABLE FROM GE HEALTHCARE TECHNOLOGIES. CONTACT YOUR LOCAL GE HEALTHCARE SERVICE REPRESENTATIVE FOR PRICING AND AVAILABILITY.

## GENERAL SPECIFICATIONS

- THE REQUIRED LIGHT HEIGHT INDICATED ON THESE PLANS IS TO INSURE EQUIPMENT IS NOT INTERFERED. CONSULT WITH YOUR LOCAL CODE IS SPECIALIST REGARDING THE AVAILABILITY OF THE LIGHTING.
- CHECK ALL DOOR OPENINGS AND WALLWAYS FROM ROUTINE LOCATION TO WHERE EQUIPMENT IS TO BE INSTALLED TO ENSURE THE PHYSICAL LOCATION AND STRUCTURAL WILL ACCOMMODATE THE EQUIPMENT AS SHIPPED.
- RADIATION PROTECTION REQUIREMENTS ARE NOT INDICATED ON THIS PLAN. WHERE NEEDED PER LOCAL OR FEDERAL CODE THEY SHALL BE SPECIFIED BY A QUALIFIED RADIOLOGICAL PHYSICIST.
- THE DEVELOPMENT OF THE EQUIPMENT LAYOUT, ROOM DIMENSIONS, MECHANICAL, AND ELECTRICAL REQUIREMENTS ARE THE RESPONSIBILITY OF THE BEST INFORMATION OBTAINED FROM THE SITE, COUPLED WITH THE CUSTOMER'S OWN NEEDS. ARCHITECTURAL, ELECTRICAL, MECHANICAL, AND PLUMBING REQUIREMENTS ARE THE RESPONSIBILITY OF THE ARCHITECT. THE DRAWING IS ALLOWED ONLY WITH NOTIFICATION, IN WRITING, AND REVIEW BY EACH OF THE ABOVE PROFESSIONS. THE CUSTOMER'S RESPONSIBILITY FOR PROVIDING CORRECT LENGTHS, ETC. MAKE THIS ESSENTIAL FOR A PROPER FIT. SEE RESOURCES FOR MORE INFORMATION. THE CUSTOMER IS RESPONSIBLE FOR THE PROPER INSTALLATION OF ANY OBSTACLES IN CONSTRUCTION, ETC.
- ALL WORK TO BE IN COMPLIANCE WITH NATIONAL AND LOCAL BUILDING SAFETY CODES.
- DIMENSIONS ARE TO FINISHED SURFACES OF ROOM.

## SITE ENVIRONMENT SPECIFICATIONS

- o AMBIENT OPERATING TEMPERATURE: 64° F TO 79° F, (18° C TO 26° C)
- o HUMIDITY: 30 TO 60 PERCENT NON-CONDENSING, STATIC CHARGES ASSOCIATED WITH LOWER HUMIDITY SHOULD NOT INTERFERE WITH SYSTEM OPERATION.
- o INTERFERENCE WITH SYSTEM OPERATION
- o ALTITUDE: NOT TO EXCEED 7,875 FT, (2400M) ABOVE SEA LEVEL. o DO NOT RESTRICT THE AIR INTAKE OR AIR EXHAUST OF THE SYSTEM COMPONENTS.
- o ENVIRONMENTAL CONDITIONS LISTED ABOVE MUST BE MAINTAINED AT ALL TIMES INCLUDING FOR EXAMPLE, OVERNIGHT, WEEKENDS, AND HOLIDAYS.
- o BACKGROUND RADIATION SHOULD BE KEPT TO A MINIMUM. RADIATION SOURCES MUST BE KEPT SEPARATE FROM THE SYSTEMS AND THE EXAMINATION ROOM SHIELDED FROM EXTERNAL SOURCES.
- o DO NOT PLACE PET EQUIPMENT NEAR REGISTERS, WINDOWS OR OTHER COMPONENTS THAT COULD AFFECT TEMPERATURE LEVEL CHANGES IN THE PET EQUIPMENT ENVIRONMENT.

## MAGNETIC INTERFERENCE SPECIFICATIONS

SCANNER MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 1.0 GAUSS TO GUARANTEE SPECIFIED IMAGING PERFORMANCE.

COMPUTER EQUIPMENT MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 10 GAUSS TO GUARANTEE DATA INTEGRITY.

DIAGNOSTIC CONSOLE MUST BE LOCATED IN AMBIENT STATIC MAGNETIC FIELDS OF LESS THAN 1.0 GAUSS TO OBTAIN SPECIFIED GEOMETRIC FIDELITY.

GE Healthcare

Healthcare Project Implementation – Design Center  
Wisconsin  
Families

SHEET TITLE: EQUIPMENT | AYOIT

MODALITY TYPE: DISCOVERY PET/CT 710

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ACTUAL CONSTRUCTION PURPOSES, HOWEVER, AND THE COMPANY CANNOT ACCEPT

PROJECT TITLE: DOOM N.O. OM 47

ROOM NO. ZA143  
VIRTLIA HEALTH

ALL COURTESY NEW JERSEY

PROJECT	REVISION
121350	00

DATE: 03.May.12  
DRAWN BY: MTM  
CHECKED BY: JGA  
GON NO: 401651  
GON DT: 30.Apr.12

## REVISION HISTORY

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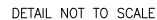
THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATE





## P5058A

(REV. DATE 27-04-11)



**GE Healthcare**

Healthcare Project Implementation – Design Center  
Milwaukee Wisconsin

SHEET TITLE: STRUCTURAL DETAILS  
MODALITY TYPE: DISCOVERY PET/CT 710

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ACTUAL CONSTRUCTION PURPOSES, HOWEVER, AND THE COMPANY CANNOT ACCEPT RESPONSIBILITY FOR ANY DAMAGES RESULTING THEREFROM.

This drawing is based on Sketch No.: 11249902

PROJECT TITLE: ROOM NO 2A143

ROOM No. 2A143  
VIRTUA HEALTH  
ACC  
VOORHEES, NEW JERSEY

PROJECT	REVISION
121350	00
DATE: 03.May.12	
DRAWN BY: MTM	
CHECKED BY: JGA	
GON NO: 4016511	
GON DT: 30.Apr.12	

REVISION HISTORY:

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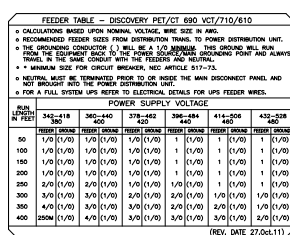
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SHEET

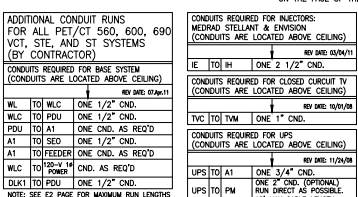
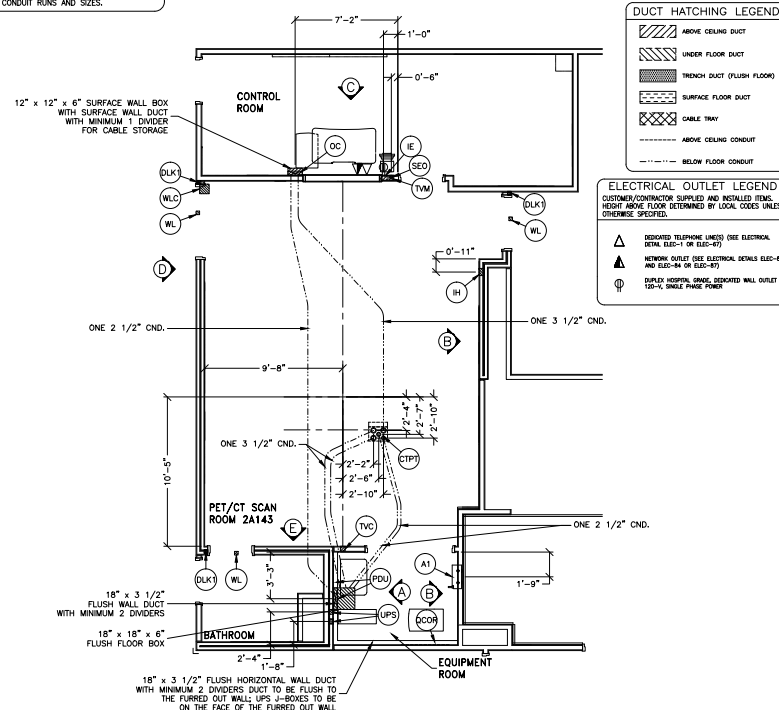
S2

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

CEILING HEIGHT = 9'-0"



PLEASE SEE BELOW FOR ADDITIONAL REQUIRED  
CONDUIT RUNS AND SIZES.



ALL INFORMATION IN  
THIS DRAWING SET IS  
PRELIMINARY, SUBJECT  
TO CHANGE !!

IF YOU CANNOT REACH YOUR GE PROJECT  
MANAGER YOU CAN CALL THE HPI TECHNICAL  
SUPPORT GROUP 1-877-305-9677

Drawn by: MARC MAJEWSKI Octel no.: 798448  
GE Installation  
Project Manager: RICK CURRY  
Telephone no.: 610-485-5311

[illegible]

CONTRACTOR SUPPLIED AND INSTALLED WIRING	
ELECTRICAL CONTRACTOR SHALL RUN, PUT AND TIE AS WELLS AS BOTH ENDS.	
WIRE RUN, FROM - TO	QUANTITY, WIRE SIZE/COLOR
A1 > SED	1-ND, 14 BLACK, 1-ND 14 WHITE, 1-ND 14 GREEN
A1 > PDU	3-BLACK, 1 GREEN - REFER TO FEEDER TABLE
ABO-V > A1	3-BLACK, 1 WHITE, 1 GREEN - REFER TO FEEDER TABLE
WLC > PDU	1-ND 14 BLACK, 1-ND 14 WHITE, 1-ND 14 GREEN
WLC > 1 PHASE	1-ND 14 BLACK, 1-ND 14 WHITE, 1-ND 14 GREEN
WLC > WLC	8-ND 14 BLACK, 1-ND 14 RED, 1-ND 14 WHITE
PDU > DLK1	1-ND 14 BLACK, 1-ND 14 WHITE, 1-ND 14 GREEN
TVE > TVM	1-GXDAIAL CABLE

This drawing is based on Sketch No.: 11249902

PIM R1

80 - 127022

**GE Healthcare**  
Healthcare Project Implementation – Design Center  
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL LAYOUT  
MODALITY TYPE: DISCOVERY PET/CT 710

LE ROOM NO. 2A143  
VIRTUA HEALTH  
ACC  
VOORHEES, NEW JERSEY

PROJECT	REVISION
121350	00
DATE: 03.May.12	
DRAWN BY: MTM	
CHECKED BY: JGA	
GON NO: 4016511	
GON DT: 30.Apr.12	

**REVISION HISTORY:**

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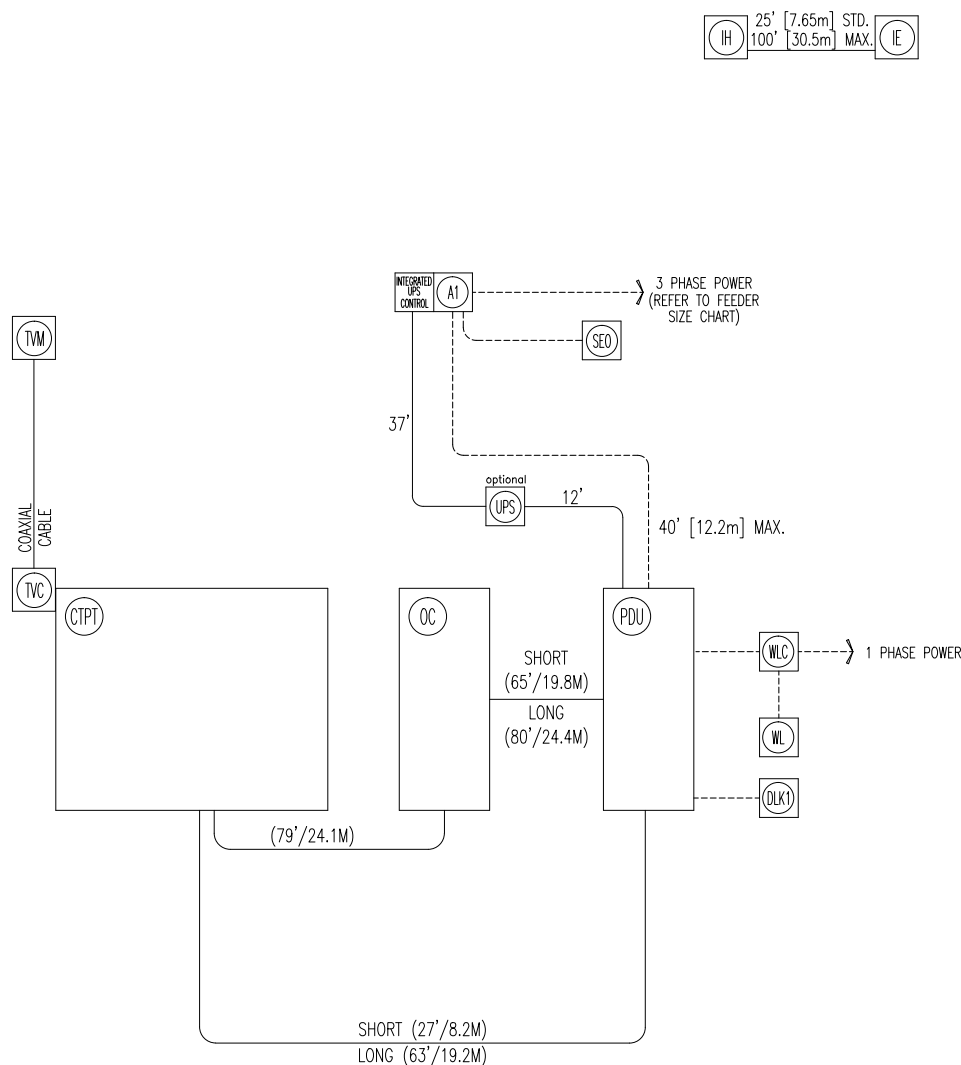
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SHEET  
E1

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATE

INTERCONNECT DIAGRAM



## POWER SPECIFICATIONS

Discovery PET/CT 690/ VCT 710/610

VOLTAGE PRIMARY SOURCE IS REQUIRED FOR ALL INSTALLATIONS.  
RANGE OF LINE VOLTAGES: NOMINAL LINE VOLTAGE OF 380 TO 480, 3 PHASE, 50 OR 60 Hz.  
RECOMMENDED POWER SUPPLY: WYE-CONNECTED

MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITH

MAXIMUM DAILY VOLTAGE VARIATION MUST FALL WITHIN ONE OF THE RANGES IN TABLE A.

TABLE A  
ALLOWABLE  
INPUT  
VOLTAGES/  
CURRENT  
DEMAND

NOMINAL VOLTAGE	ABSOLUTE RANGE	CURRENT (AMPS)		MINIMUM STANDARD OVERCURRENT PROTECTION
		MOMENTARY	CONTINUOUS	
380	342-418	25.3	38	150-A
400	360-440	241	36	150-A
420	378-462	229	34	150-A
440	396-484	219	33	125-A
460	414-506	209	31	125-A
480	432-528	200	30	125-A

(ALL CALCULATIONS BASED UPON NOMINAL VOLTAGE)

PHASE—  
BALANCE.

PHASE-TO-PHASE VOLTAGES MUST BE WITHIN +2 PERCENT OF THE LOWEST PHASE-TO-PHASE VOLTAGE. MAXIMUM ALLOWABLE TRANSIENT VOLTAGE EXCURSIONS ARE 2.5 PERCENT OF RATED LINE VOLTAGE AT A MAXIMUM DURATION OF 1 CYCLE AND FREQUENCY OF 10 TIMES PER HOUR.

VOLTAGE TRANSIENT OR IMPULSE ON THE INCOMING POWER MUST BE HELD TO A MINIMUM. TRANSIENTS CAUSED BY LIGHTNING, SURGES, LOAD SWITCHING, STATIC ELECTRICITY ETC. CAN CAUSE SCAN ABORTS OR, IN EXTREME INSTANCES, COMPONENT FAILURE IN THE COMPUTER SUBSYSTEM.

CONTINUOUS POWER DEMAND = 25 KVA (MAX DEMAND = 150 KVA)

DEMAND

TABLE B  
MAXIMUM  
MOMENTARY  
POWER  
DEMAND

\* DEMAND INCLUDES POWER FOR ENTIRE SYSTEM  
LINE VOLTAGE REGULATION AT MAXIMUM POWER  
MUST BE LESS THAN OR EQUAL TO 6 PERCENT

DISTRIBUTION TRANSFORMER FOR A SINGLE UNIT INSTALLATION, THE MINIMUM TRANSFORMER SIZE IS 225 KVA. GE DOES NOT RECOMMEND USING A REGULATION DEVICE.

NOTE: THE SYSTEM MUST NOT BE POWERED IN A MULTIPLE INSTALLATION WHERE FILM CHANGERS ARE USED. FILM CHANGERS UTILIZE A LARGE NUMBER OF HIGH POWERED CLOSELY SPACED EXPOSURES WHICH MAY COINCIDE WITH THE SCAN.

## ELECTRICAL NOTES

- NOTE 1: ALL WIRES SPECIFIED SHALL BE COPPER STRANDED, FLEXIBLE, THERMO-PLASTIC, COLOR CODED, AND TO FOOT LONG AT OUTLET BOXES, DUCT TERMINATION POINTS OR STUBBED CONDUIT ENDS.
- NOTE 2: CONDUITS, POWER, SIGNAL AND DATA CABLES SHALL BE A MINIMUM OF 1/2" RIGID PVC SYSTEM. ELECTRICAL CONTRACTOR SHALL RING OUT AND TAG ALL WIRES AT BOTH ENDS. ALL WIRES RUNS MUST BE CONTINUOUS CORDER STRANDED AND FREE FROM SPLICES. ALUMINUM OR SOLDER WIRES ARE NOT ALLOWED.
- NOTE 3: WIRE SIZES GIVEN ARE FOR USE OF EQUIPMENT, LARGER SIZES MAY BE REQUIRED BY LOCAL CODES.
- NOTE 4: IT IS RECOMMENDED THAT ALL WIRES BE COLOR CODED, AS REQUIRED IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 5: CONDUIT SIZES SHALL BE VERIFIED BY THE ARCHITECT, ELECTRICAL ENGINEER OR CONTRACTOR, IN ACCORDANCE WITH LOCAL OR NATIONAL CODES.
- NOTE 6: CONVENIENCE OUTLETS ARE NOT ILLUSTRATED, THEIR NUMBER AND LOCATION ARE TO BE SPECIFIED BY OTHERS. LOCATIONS AT LEAST ONE CONVENIENCE OUTLET SHALL TO THE SYSTEM CONTROL, THE POWER DISTRIBUTION UNIT AND ONE ON EACH WALL OF THE PROCEDURE ROOM. USE HOSPITAL APPROVED OUTLET OR EQUIVALENT.
- NOTE 7: GENERAL ROOM ILLUMINATION IS NOT ILLUSTRATED, CAUTION SHOULD BE TAKEN TO AVOID EXCESSIVE HEAT FROM HEATING OR SPOTLIGHTS. LIGHTING SHALL BE CEILING MOUNTED AND WIRING IF HIGH WATTAGE BALLASTS ARE USED, REMOUNT LONG WATTAGE BALLASTS NO HIGHER THAN 75 WATTS AND USE DIMMER CONTROLS (EXCEPT MR). DO NOT MOUNT LIGHTS DIRECTLY ABOVE AREAS WHERE CEILING MOUNTED ACCESSORIES WILL BE PARKED.
- NOTE 8: ROUTING OF CABLE OUTDOORS, CONDUITS, ETC., MUST RUN DIRECT AS POSSIBLE HOWEVER FOR MAXIMUM USABLE LENGTHS TO POINTS (REFER TO THE INTERCONNECTION DIAGRAM FOR MAXIMUM USABLE LENGTHS POINT TO POINT).
- NOTE 9: CONDUIT TURNS HAVE TO LARGE, SHEEPENED BENDS WITH MINIMUM RADIUS OF ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES.
- NOTE 10: A SPECIAL GROUNDING SYSTEM IS REQUIRED IN ALL PROCEDURE ROOMS BY SOME NATIONAL AND LOCAL CODES. IT IS RECOMMENDED IN AREAS WHERE PATIENTS MUST BE EXAMINED OR TREATED UNDER PRESENT, FUTURE, OR EMERGENCY CIRCUMSTANCES, CONSULT THE GOVERNING ELECTRIC CODES AND CONSULT WITH APPROPRIATE CUSTOMER ADMINISTRATIVE PERSONNEL TO DETERMINE THE AREAS REQUIRING THIS TYPE OF GROUNDING SYSTEM.
- NOTE 11: THE MAXIMUM POINT TO POINT DISTANCES ILLUSTRATED ON THIS DRAWING MUST NOT EXCEED.
- NOTE 12: PHYSICAL CONNECTION OF PRIMARY POWER TO GE EQUIPMENT IS TO BE MADE BY CUSTOMERS ELECTRICAL CONTRACTOR WITH THE SUPERVISION OF A GE REPRESENTATIVE. THE GE REPRESENTATIVE WOULD BE REQUIRED TO IDENTIFY THE CONNECTION LOCATION AND INSURE PROPER HANDING OF GE EQUIPMENT.

DIAGRAM KEY

----- CUSTOMER/CONTRACTOR SUPPLIED WIRING. ROUTE IN ADEQUATE CONDUIT OR RACEWAY.

\_\_\_\_\_ GE FURNISHED CABLE RUNS. ROUTE IN EMPTY CONDUIT OR RACEWAY.

50' [18M] MAXIMUM RUN LENGTH BETWEEN JUNCTION POINTS.

Foot [Meters]

THIS SHEET IS PART OF THE DOCUMENT SET LISTED ON SHEET C1 AND SHOULD NOT BE SEPARATED

This drawing is based on Sketch No.: 11249902

PIM R1

RQ - 127022



**GE Healthcare**  
Healthcare Project Implementation – Design Center  
Milwaukee, Wisconsin

SHEET TITLE: ELECTRICAL SPECIFICATIONS  
MODALITY TYPE: DISCOVERY PET/CT 710

THIS PLAN IS SUBMITTED TO SUGGEST LOCATION OF GE HEALTHCARE EQUIPMENT AND ASSOCIATED APPARATUS, ELECTRICAL WIRING DETAILS AND ROOM ARRANGEMENTS. IN PREPARING THIS PLAN, EVERY EFFORT HAS BEEN MADE TO CONFORM DETAILS TO ACTUAL EQUIPMENT EXPECTED TO BE INSTALLED. IT IS NOT TO BE USED FOR ACTUAL CONSTRUCTION PURPOSES, HOWEVER, AND THE COMPANY CANNOT ACCEPT

PROJECT TITLE: ROOM NO. 2A143  
VIRTUA HEALTH  
ACC  
VOORHEES NEW JERSEY

PROJECT	REVISION
121350	00
DATE: 03.May.12	
DRAWN BY: MTM	
CHECKED BY: JGA	
GON NO: 4016511	
GON DT: 30.Apr.12	

REVISION HISTORY:

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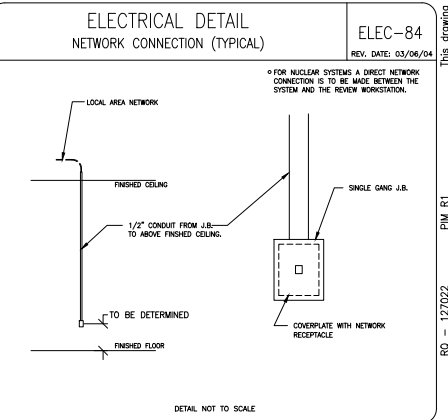
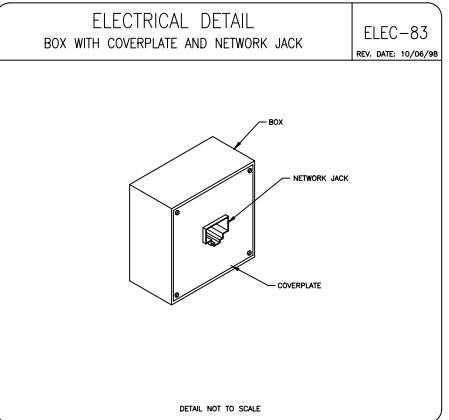
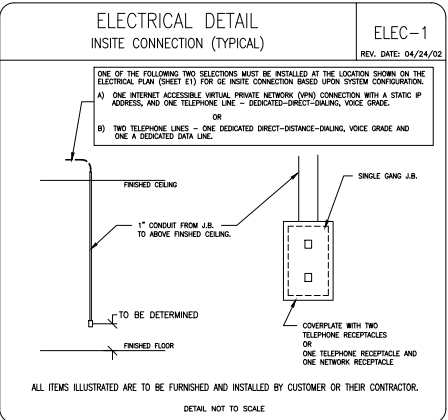
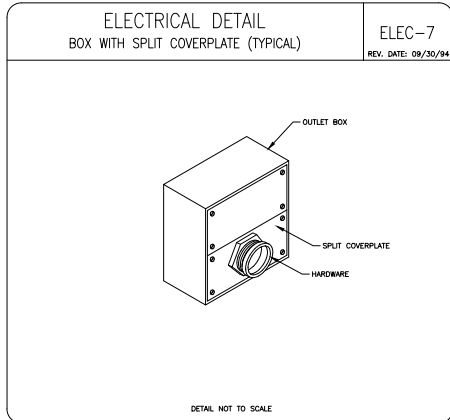
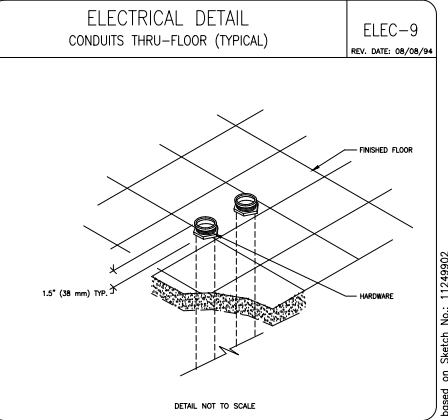
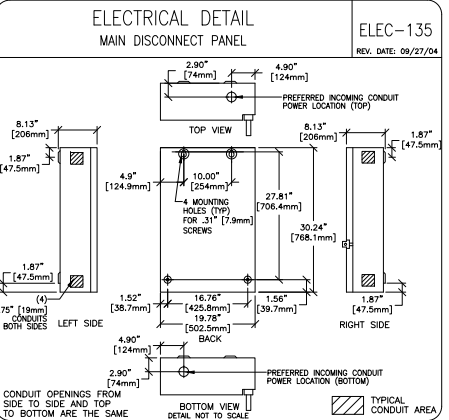
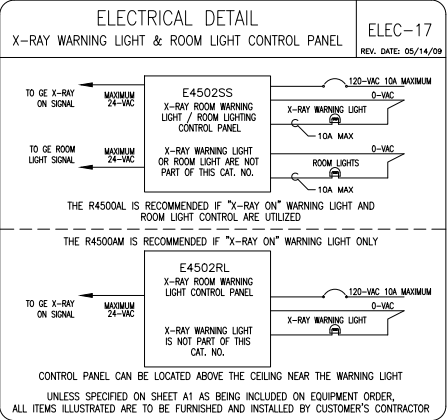
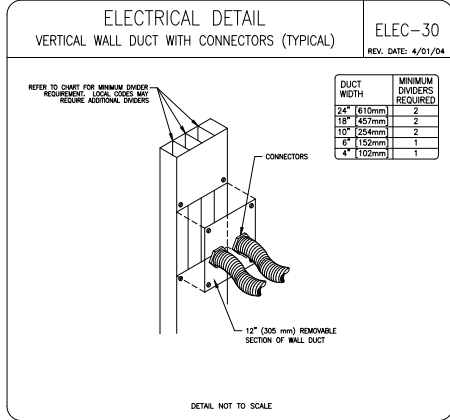
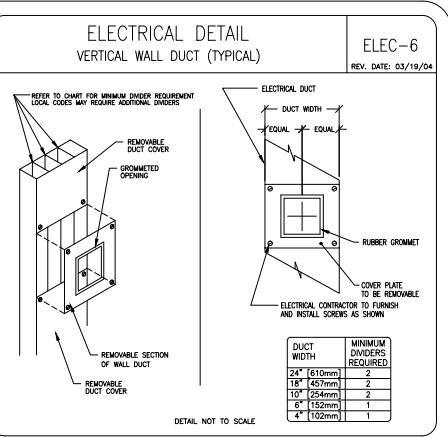
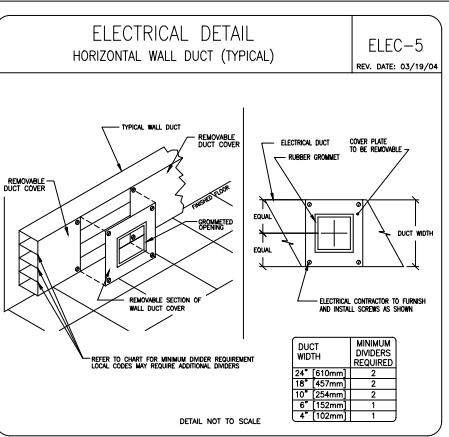
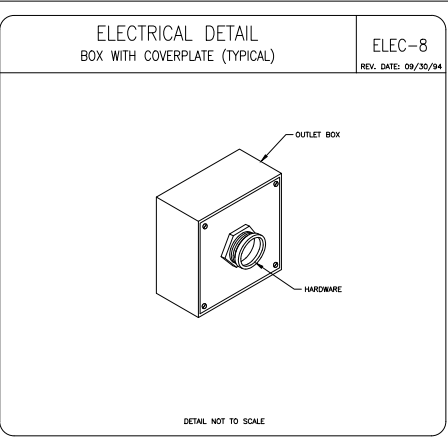
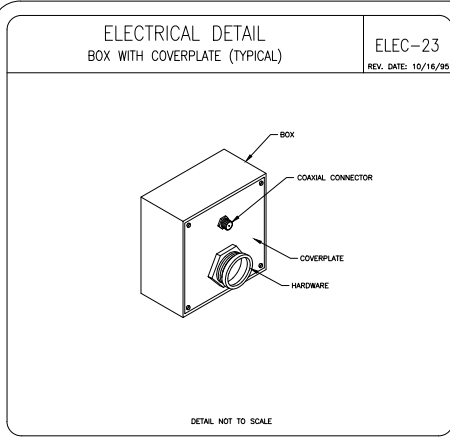


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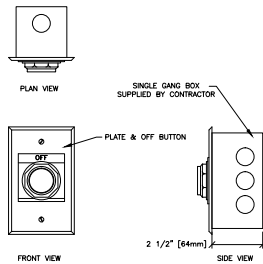
SHEET  
E2



ELECTRICAL DETAIL  
EMERGENCY OFF BUTTON

ELEC-16

REV. DATE: 05/14/09



DETAIL NOT TO SCALE

RD - 127022 PIM R1 This drawing is based on Sketch No.: 11249902

PROJECT TITLE: ROOM NO. 2A143  
VIRTUA HEALTH  
ACC  
VOORHEES, NEW JERSEY

PROJECT	REVISION
121350	00
DATE:	03.May.12
DRAWN BY:	MTM
CHECKED BY:	JGA
CON NO:	4016511
CON DT:	30.Apr.12

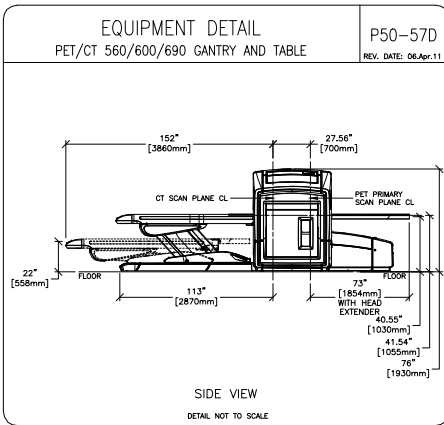
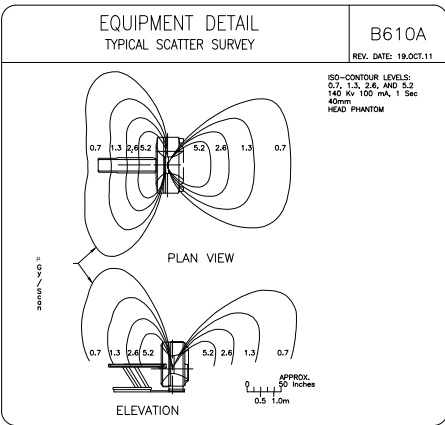
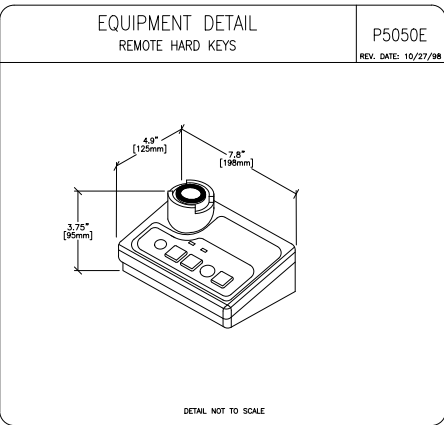
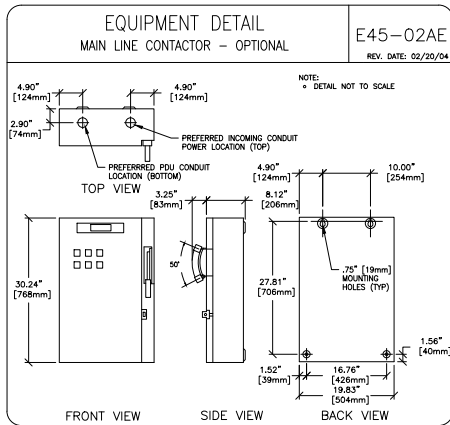
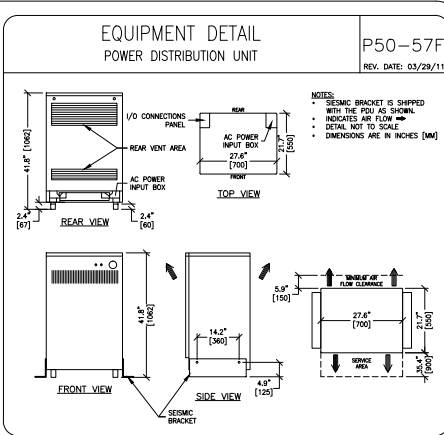
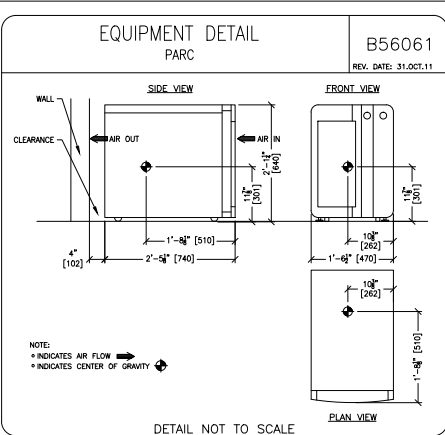
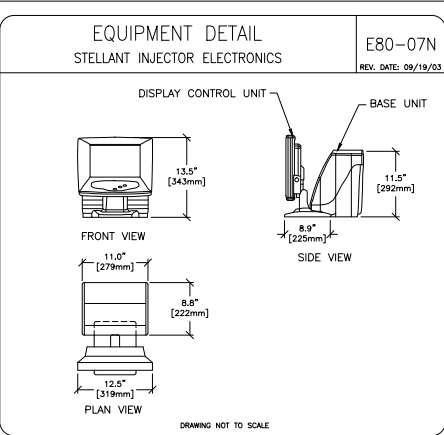
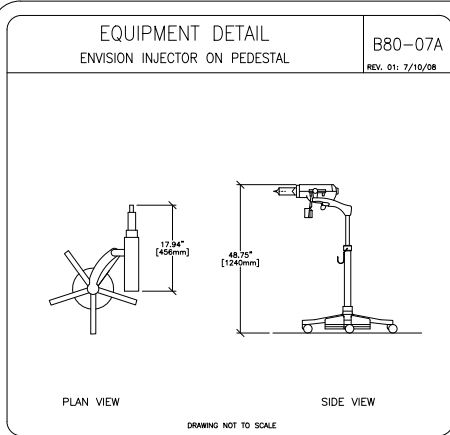
REVISION HISTORY:


SHEET  
E4

SHEET TITLE: ELECTRICAL DETAILS  
MODALITY TYPE: DISCOVERY PET/CT 710

THIS DRAWING IS SUBMITTED TO DISCOVERY PET/CT 710 FOR REVIEW AND APPROVAL. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE USER SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED.

 **GE Healthcare**  
Healthcare Project Implementation - Design Center  
Milwaukee, Wisconsin



**EQUIPMENT DETAIL**  
EQUIPMENT SHIPPING DETAIL

B6090A  
REV. DATE: 01/28/11

ITEM	LENGTH - IN. [MM]	WIDTH - IN. [MM]	HEIGHT - IN. [MM]	WEIGHT - lb [kg]	LIFTABLE (OPTIONAL)	ROLLERS TO MOVE	CONSTRUCTION PACKAGE (OPTIONAL)
600/690 ELITE CT GANTRY	114 [2896]	51 [1295]	77 [1955]	4187 [1899]	YES	YES	YES
690 VCT CT GANTRY	114 [2896]	51 [1295]	77 [1955]	4260 [1932]	YES	YES	YES
PET SOURCE RING AND TRAILER	96 [2438]	44 [1118]	43 [1092]	1340 [608]	YES	YES	YES
PET IMAGE RING	110 [2794]	44 [1118]	74 [1880]	3205 [1454]	YES	YES	YES
PET RETRACTOR & BASE ASSEMBLY	96 [2438]	41.5 [1050]	39 [990]	1495 [678]	YES	YES	YES
PARC	32 [816]	40 [1020]	60 [1522]	900 [408]	YES	YES	YES
TABLE WITH ACCESSORIES	161 [4089]	34 [864]	55.5 [1410]	2856 [1295]	YES	YES	YES
POWER DISTRIBUTION UNIT	30 [762]	23 [584]	43 [1092]	910 [413]	YES	YES	YES
SKID WITH CONSOLE	54 [1372]	46 [1168]	43 [1092]	560 [254]	YES	YES	YES

**EQUIPMENT DETAIL**  
EQUIPMENT SHIPPING DETAIL

B6090B  
REV. DATE: 01/28/11

\* FLOOR PROTECTION REQUIRED

CONFIGURATION	LENGTH - IN. [MM]	WIDTH - IN. [MM]	HEIGHT - IN. [MM]	WEIGHT - lb [kg]
DOLLIES ON, SIDE RAILS ON	114 [2896]	51 [1295]	77 [1955]	4280 [1932]*
DOLLIES ON, SIDE RAILS REMOVED	114 [2896]	42 [1067]	77 [1955]	4220 [1914]
PET BASE & RETRACTOR ASSEMBLY	96 [2438]	41.5 [1050]	39 [990]	1495 [698]
PET IMAGE RING WITH DOLLIES	110 [2794]	44 [1118]	74 [1880]	3205 [1454]
PET SOURCE RING AND TRAILER WITH DOLLIES	96 [2438]	44 [1118]	43 [1092]	1340 [608]
BLUE DOLLIES ON, RED CASTORS ON	120 [3048]	40 [1016]	55.5 [1410] NOMINAL	2856 [1295]
BLUE DOLLIES ON	151 [3836]	34 [864]	55.5 [1410] NOMINAL	2736 [1241]
TILTING	98-115 [2489-2921]	26 [660]	70-80 [1778-2032]	100 [636]

**EQUIPMENT DETAIL**  
EQUIPMENT SHIPPING DETAIL

B6090C  
REV. DATE: 08/11/08

CONFIGURATION	LENGTH - IN. [MM]	WIDTH - IN. [MM]	HEIGHT - IN. [MM]	WEIGHT - lb [kg]
PARC SHIPPING CRATE	32 [816]	50 [127]	60 [170]	800 [408]
SKID WITH OPERATORS CONSOLE	54 [1372]	46 [1168]	43 [1092]	560 [254]
SKID WITH CONSOLE COMPONENTS	40 [1016]	40 [1016]	33 [838]	120 [54]

